

Forty-ninth Annual Report

OF THE

BOARD OF TRUSTEES

OF

The Ohio State University

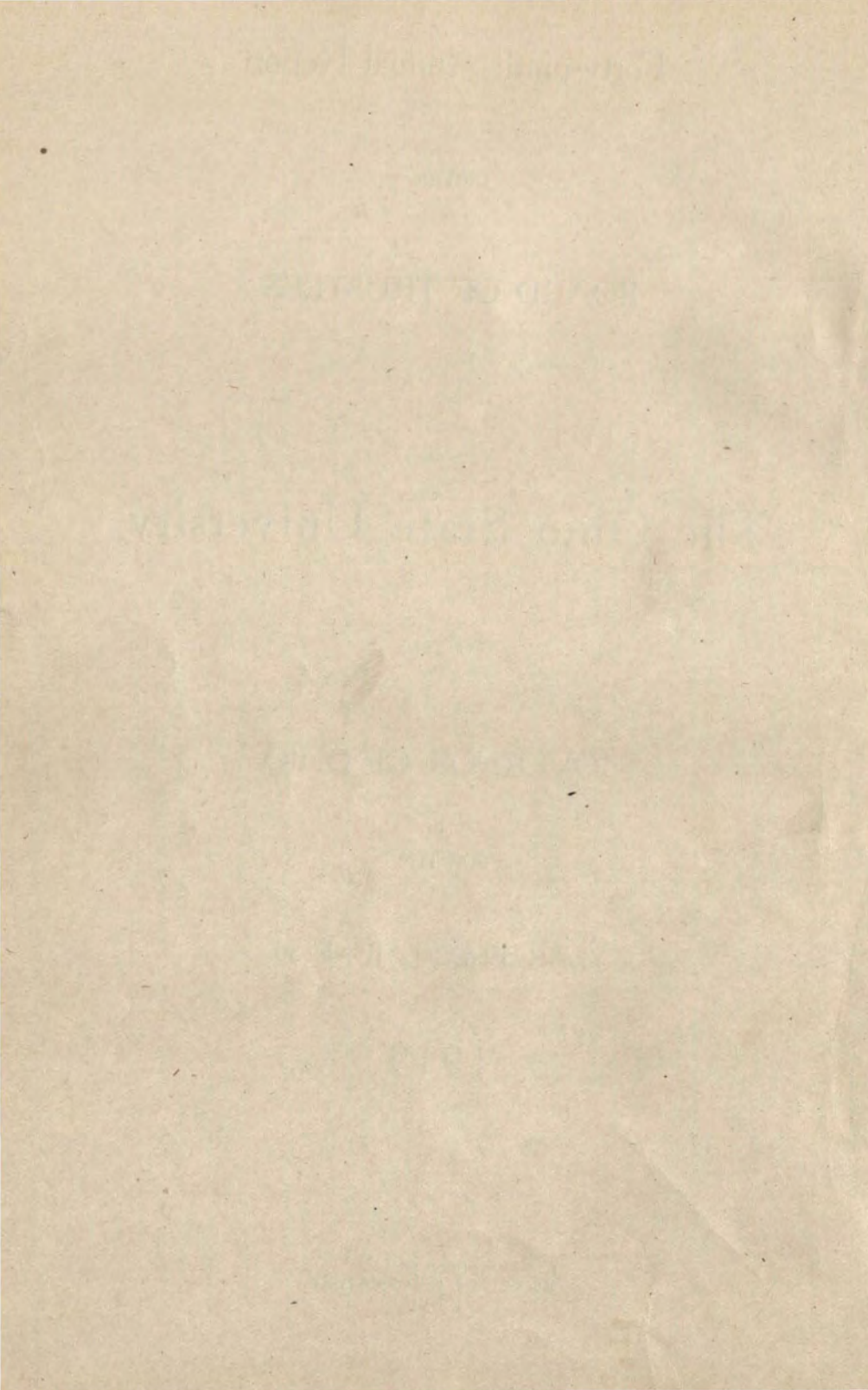
TO THE

GOVERNOR OF OHIO

FOR THE

YEAR ENDING JUNE 30

1919





## ANNUAL REPORT OF THE PRESIDENT

*Honorable BENJAMIN F. MCCANN, Chairman of the Board of Trustees,  
The Ohio State University.*

Dear Sir:—I have the honor to present through you to the Board of Trustees of the Ohio State University for transmission to the Governor of Ohio, as required by law, the forty-ninth annual report of the President of the Ohio State University, for the year ending June 30, 1919.

### THE BOARD OF TRUSTEES

The university circles have not been more profoundly moved in a long time than when the announcement came that Honorable Frank Etherington Pomerene had passed away. His long and devoted service had marked him as one of the public servants who gave without measure to the State.

Mr. Pomerene was born in Coshocton, March 25, 1868, and died at the residence of Mr. Carl E. Steeb, in Columbus, Sunday, June 1, 1919. He graduated from the University in 1891 and from the College of Law in 1895. He was appointed trustee, May 15, 1905, and served continuously until his death. Coming to the service of the University with the enthusiasm of a young alumnus, Mr. Pomerene laid aside personal matters and so adjusted his heavy law practise as to permit great regularity in attending the meetings of the trustees. He addressed himself to the duties of a trustee with a keen intelligence, a familiar knowledge of the history and traditions of the University and with a genuine interest in the progress and development of his Alma Mater. In this service he manifested the same qualities that made him the trusted attorney and counsellor in a large practice. His sympathies and interest were never marked by any narrow or local considerations but were directed to the University as a whole.

As a man and colleague, Mr. Pomerene imbedded himself in the affections and esteem of all who knew him. Rarely does the State receive a service so generous, so disinterested, so intelligent and so high-minded. His career was without a blemish. He enjoyed the grateful appreciation of the Trustees, the Faculty and the Alumni, as he deserved from all the friends of higher education.

Dr. T. C. Mendenhall, Emeritus Professor of Physics, and a member of the original Faculty in 1873, was appointed to succeed Mr. Pomerene. Dr. Mendenhall's long experience as professor in the University, and president at Rose Polytechnic and Worcester Polytechnic, together with his wide experience in scientific circles, unite to fit him admirably for the duties as trustee. His personal acquaintance with many of the Faculty adds to the pleasure felt when his appointment was announced.

## ALEXIS COPE

The records of Ohio State University for twenty-one years show the painstaking and accurate hand of Captain Alexis Cope. His services began in 1883 and terminated in 1904 at which time he became Secretary of the Virginia Military Lands. His death, September 3rd, 1918, closed a career of thirty-five years of continuous service. Captain Cope was born in Cole-rain, Belmont County, June 27, 1841 and after receiving such attention as the community afforded began the study of law but was interrupted in this by the Civil War. He enlisted in 1861 and after a three months' service re-enlisted and was mustered out November 21, 1865. He began as a private and was promoted from one rank to another until in December, 1864, he became Captain. In 1916, at the request of the Regimental Association, he published a history of the Fifteenth Regiment and its Campaigns in which he served. At the time of his death he had practically completed a history of the University which will be published under the editorial supervision of Dr. Thomas C. Mendenhall.

Captain Cope's long service as Secretary of the Board of Trustees was marked by an unusual efficiency. His wide acquaintance among the men directing public affairs in Ohio and his intelligent grasp of the ideals of the new institution added to his fitness for the service. For some years he served as a member of the Executive Committee of the Association of American Agricultural Colleges and Experiment Stations. In this capacity he was influential in shaping the policies of Congress and of the Colleges. His later service with the Virginia Military Lands deserves mention and can not be commended too highly. No other man of his generation was so well posted on the history of these lands and the details of the laws governing them.

As a man Captain Cope was of typical Quaker quality. He was a soldier of fine spirit but retained throughout his life the gentle characteristics that mark the people of his ancestry. By all who came into social or business relations he was much trusted and much beloved.

## THE FACULTY

Sidney Augustus Norton, Emeritus Professor of Chemistry, died at his residence, Columbus, Ohio, August 30, 1918, in his eighty-fourth year. He was born in Bloomfield, Trumbull County, Ohio, January 11, 1835; graduated from Union College, Schenectady, N. Y., in 1856; received the degree of A. M., in 1859, and the degree of M. D., from Miami Medical College, Cincinnati, Ohio, in 1869. He was the recipient of the honorary degree of LL. D., from Wooster, in 1881, and from his Alma Mater, in 1899. The teaching career of Professor Norton began in the High School of Cleveland, in 1858, and continued for eight years. Later he was for five years Professor of Chemistry in the Miami Medical College, and for one year Acting Professor of Physics in Union College. From here he was invited to the Ohio State University as one of the original members of the Faculty. He



served as Professor of Chemistry from 1873 until 1895, when his title was changed to that of Lecturer. In 1899 he was appointed Emeritus Professor of Chemistry. During his earlier years Professor Norton studied in the Universities of Bonn, Leipsig and Heidelberg. He was the author of some books on chemistry and on other scientific topics. His knowledge of and interest in the literature and history of chemistry was most unusual. He represented the best type of teacher and scholar of the generation immediately following the Civil War and kept his interest in such matters to the last. He was highly esteemed by his colleagues and associates. His professional career at the University was supplemented by interest in public affairs and in medical education. For a time he taught in the Starling Medical College of Columbus. He was a man of wide sympathies, genial in disposition and of the highest integrity. His character stood four score years above reproach.

After a long illness and a brave struggle against tuberculosis, Professor Edward Ellsworth Somermeir died in New Orleans, March 26, 1919, while on his way home from Arizona, where he had gone in the hope of improving failing health.

Professor Somermeir was born in Bethel, Clermont County, Ohio, January 9th, 1874. After a short experience in teaching a country school, he entered the Ohio State University and graduated in Pharmacy with the class of 1898. His quality as a student had attracted the attention of the late Professor N. W. Lord who secured his appointment as assistant in Metallurgy. From this time on he became a favored student with Professor Lord, and developed unusual powers and insight in problems of metallurgical chemistry. He passed through the several promotions in rank until he became Professor, and after the death of Professor Lord was in charge of the Department of Metallurgy. For the later years he relinquished this duty which passed to Professor Dana Demorest, while Professor Somermeir was in service but one semester each year, devoting the remainder of the year to efforts at regaining his health.

In 1904-1905 he was chemist for the United States Geological Survey at its Fuel Testing Plant in St. Louis under the general supervision of Professor Lord. He also took part in other work of a similar nature in Ohio. In 1912 he published a volume on coal that attracted much favorable comment. He was the author of numerous papers in chemical and physical journals. His investigations attracted attention throughout the country. He was an expert witness on coal in a trial in California to which the Federal Government was a party.

The early death of Professor Somermeir closed a career full of promise. His declining health prevented him from accomplishing what under ordinary conditions, would have been a joy to him and a service to others. With an enthusiasm for research he persisted in his work often to the damage to his health. His colleagues esteemed him for his scholarly tastes, his genial disposition and his helpful cooperation in all university work.

## LEAVES OF ABSENCE

The following leaves of absence for all or a part of the year were granted by the Trustees:

Professor F. W. Marquis, of the Department of Mechanical Engineering, for the year.

Professor O. C. Lockhart, of the Department of Economics and Sociology, for the year.

Associate Professor J. S. Hine, of the Department of Zoology and Entomology, after May 1, 1919.

Assistant Professor Maude Hathaway, of the Department of Home Economics, for the first semester.

Instructor E. H. Baxter, M. D., of the Department Clinical Diagnosis and Microscopy, from May 1, 1919 until October 1, 1919.

Professor E. E. Somermeir, of the Department of Metallurgy, for the year.

Professor Frank A. Ray of the Department of Mine Engineering, for the year.

Assistant Professor C. L. Metcalf, of the Department of Zoology and Entomology, for the year.

Assistant Professor Ludwig Lewisohn, of the Department of German, for the year.

Assistant Professor A. R. Chandler, of the Department of Philosophy, for the year.

Assistant Professor Florence Meyer, of the Department of the Physical Education, for the year.

## ENROLLMENT AND DEGREES GRANTED

1918-1919

The usual summary of enrollment and degrees granted is presented herewith:

Graduate School .....	143
College of Agriculture—	
Undergraduates, Agriculture, degree course .....	455
Undergraduates, Home Economics, degree course .....	229
Undergraduates, three-year certificate course .....	38
	722
College of Arts, Philosophy and Science .....	1914
College of Commerce and Journalism .....	118
College of Dentistry .....	116
College of Education .....	526
College of Engineering .....	1192
College of Homeopathic Medicine .....	37
College of Law .....	34
College of Medicine .....	113
College of Pharmacy—	
Undergraduates, degree course .....	52
Undergraduates, two-year certificate course .....	28
	80
College of Veterinary Medicine .....	124
Applied Optics .....	11
Total .....	5130
Names counted twice .....	65
Net total for academic year .....	5065



## Summer Session—1918

Graduate School.....	113
College of Agriculture.....	55
College of Arts, Philosophy and Science.....	268
Arts-Education.....	16
College of Commerce and Journalism.....	10
College of Dentistry .....	12
College of Education .....	268
College of Engineering.....	94
College of Homeopathic Medicine .....	9
College of Medicine .....	14
College of Pharmacy.....	7
College of Veterinary Medicine.....	43
Lake Laboratory-1918.....	2
Winter Course in Agriculture-1918.....	121
Total.....	6097
Names counted twice.....	372
Grand net total for the year.....	5725

## SUMMARY OF DEGREES

Graduate School.....	41	
Degrees conferred during year.....	12	
		53
College of Agriculture.....	72	
Degrees conferred during year.....	7	
		79
College of Arts, Philosophy and Science .....	134	
Degrees conferred during year .....	14	
		148
College of Commerce and Journalism.....		17
College of Dentistry .....	15	
Degrees conferred during year.....	8	
		23
College of Education.....	75	
Degrees conferred during year.....	19	
		94
College of Engineering .....	56	
Degrees conferred during year.....	6	
		62
College of Homeopathic Medicine.....		9
College of Medicine .....	15	
Degrees conferred during year.....	1	
		16
College of Pharmacy (6 certificates) (3 degrees).....		9
College of Veterinary Medicine .....		33

Total Women Candidates.....	214	
Degrees conferred on women during year.....	19	
		233
Total Men Candidates.....	262	
Degrees conferred on men during year.....	48	
		310
Grand Total.....		543

The statistics for attendance, both in the academic year and in the summer session, will surprise some who assumed that the war had practically stopped all university activities.

It is true that some interference resulted from the war, but the fact should not be overlooked that a considerable body of students were able to continue their studies and to receive their degrees. The attitude of the Government in preparing the Selective Service Law enabled most to remain at their post of duty until regularly and officially called. The interference, therefore, was reduced to a minimum.

In the case of young women, interference resulted from the disturbance of plans at home and from the additional calls for teachers and for other service. Notwithstanding these disturbances, it was always the deliberate judgement that unless a persons were specifically called for war duties, the most imperative obligation was to continue and complete, if possible, the education upon which they had entered.

#### WAR ACTIVITIES OF THE UNIVERSITY

Now that the War is ended it may be appropriate that a general review be made of the war activities even though reference to these matters have been made in former reports. The statistics of these activities will be found in the report of the Registrar, in one of the appendices of this report and in the report of the Deans. They will, therefore, not be repeated here.

In general these activities may be classified under two divisions. First, the activities of the alumni faculty and students; second, the activities represented in the military organizations provided for on the Campus.

The alumni as educated citizens took their places in uniform under the direction of the Government and in civilian service for which they were suited and to which they went by call of the Government or by volunteer proffer of their services. The Faculty responded in the same manner. It is probably true that not a single member of the teaching force failed in some degree to make a contribution to winning the War. They served in uniform as the fortunes of war demanded. They served in civilian relation for the Nation and the State, in scientific, executive and administrative position as the call came. Professors on the Campus and in their laboratories



were engaged in cooperation with the Government officials in technical problems of the War Department. Others in Washington assisted in activities organized by the Government rendering such service as their education and experience especially fitted them to perform. Some in Ohio, under the general administration of the State Council of Defense rendered valuable service in organizing the forces of the State. All of them made contribution of service in some form, either assisting in the several "drives" for the War Chest, or other funds, liberty loans, or some form of personal service. The spirit of the Faculty in this regard could hardly have been better. They demonstrated their loyalty to their Government and their devotion to the principles for which the war was waged. The list of the Faculty found in this report contains only those members whose services could be easily classified and were more obviously war activities. This should not, however, blind us to the fact that all those engaged in instruction or administration while the military organizations were on the Campus, were often at a sacrifice, the people behind the lines whose efficient service made the work and career of others possible.

The students and alumni in large numbers, as the records show, were in active service. The administration of the Selective Draft Law, especially after volunteers were not accepted, brought disappointment to many, in that they were denied the active participation and enlistment so eagerly desired.

#### THE MILITARY ORGANIZATIONS ON THE CAMPUS

The first organization on the Campus for war purposes was the school for Military Aeronautics, commonly spoken as the "Aviation Ground School," for pilots. This organization was made in May, 1917, and the school opened in June. It was continued until August, 1918. During this time the University erected the Barracks with a small hospital; the Aviation Laboratory and enlarged the facilities of the Ohio Union in order to provide the mess and for the increased storage facilities for food. The Gymnasium, Hayes Hall, Page Hall, in addition to the above, were occupied for military purposes. The State appropriated \$80,000; the Trustees appropriated from the Endowment Fund, \$11,209.62; the balance of the money used for improvements and changes on the Campus came from the tuition receipts provided by the Government. Additional land at a cost of \$41,320, was purchased in order to provide facilities for landing airplanes. The Ohio Union was enlarged at a cost of \$11,883.97. The construction of the Barracks cost \$50,310.06; the Aviation Laboratory cost \$41,325.61; the Gun Range cost \$764.80; the Hospital near the Barracks cost \$21,512. Other smaller items of expense were incurred in changes made necessary in buildings in order that they might be adapted for military purposes. Some of these improvements, like the purchase of land, erection of the Aviation Laboratory, the Barracks and other facilities, will be of use to the University for years to come.

After the Aviation Ground School, came the school for Adjutants and the School for Balloonists, and still later, the Students' Army Training Corps. The School for Adjutants and Balloonists were short intensive courses of instruction intended to prepare men for specific duties. The instruction in these schools was in part by military officers, detailed for that purpose by the War Department, and part by members of the University Faculty assigned for all or part of the time, as circumstances required.

The number of men trained in the three organizations are as follows:

Pilots .....	1291
Adjutants .....	887
Balloon Officers .....	219
Total .....	2397

#### STUDENTS' ARMY TRAINING CORPS

The S. A. T. C. was a plan to provide a combination of general education and military training in such a way as to make available in a short space of time young men with some preliminary training for officer material and non-commissioned officers. The following statement issued by the War Department will indicate in general the purpose.

"The fundamental principle upon which this Corps is established is that it will hasten the mobilization and training of our armies, with particular reference to the selection and training of officer and non-commissioned officer material, -by bringing men into training earlier than would be the case if they waited for their call under the Selective Service Law. In order to accomplish the purpose, the colleges have undertaken to use their organization and facilities for giving intensive training aimed directly at preparing students for admission to officers, and non-commissioned officers' training camps and expert technical war work.

"Since this training is designed to meet the specific needs of the war program in the shortest possible time, its value can not be appraised by ordinary academic standards of college admission or the requirements for academic degrees. Colleges may give credit for this work toward their degrees if they desire to do so, but the course must not be considered, or their results measured, from the ordinary standpoint of college standards and customs. There are no precedents to guide the colleges in this work and hence they have the finest possible opportunity for the exercise of ingenuity and creative imagination."

Under the general announcement made by the War Department early in the summer, many students assumed that they would be able to carry the usual courses in college and at the same time be regularly enlisted men receiving fundamental military training for service when their names would be called under the Selective Draft Law. Congress, August 31, 1918, lowered the age, including all persons eighteen years of age within the Selective Draft Law. This changed materially the original plans and put the



chief emphasis upon the military, rather than upon the educational feature of the work. War was then at its height and every young man was eager for the military side of the program in the hope that he might be soon over seas. It was quite natural that the military phase should be emphasized. Experience, however, proved that the military organization and the academic organization side by side, each having apparently complete authority, could not succeed. If the Faculty had been put in uniform and the whole organization had been made completely military, there would at least, have been a single source of authority. More or less arbitrary division of assignment of program to students on the age basis opposed the educational plans of many of the students. The day has passed when students can be classified by their ages. All educational programs are built on achievement. The result was that in some cases the program was practically entirely military, while in many cases students failed to accomplish satisfactory results from either a military or educational point of view. A double-headed administration is ordinarily unsatisfactory; in this case, it was well nigh disastrous.

The fact that the prevailing influenza epidemic came soon after the S. A. T. C. was organized proved a most unfortunate circumstance. It broke in upon the entire program, and while the death rate was very low at this Institution, the sick list was large and the interruption was serious. Approximately four hundred men were involved in the epidemic. In addition to this, there was some delay in arrival of uniforms, bedding, barracks equipment, and this confusion made the treatment of soldier students a very difficult and somewhat unsatisfactory matter. The armistice was signed November 11, 1918, before the effects of the influenza epidemic had passed, and on December 10-12th the final demobilization took place. A considerable number of men left college in the hope that they might return at some other date to better advantage. There was general rejoicing over the signing of the armistice, and soon after a very wide spread relapse of public sentiment and a great deal of resentment at the unsatisfactory way in which the S. A. T. C. had been conducted. Many of these unfortunate results were unavoidable. The main purpose and aim of the organization was commendable. Inexperience and the inevitable conflict between the military idea and the educational idea rendered the program difficult. The epidemic made it even worse, so that in the minds of many the S. A. T. C. was a horrible nightmare. However, it should be said that the magnitude of the enterprise upon which the country had entered has never yet been fully appreciated by the masses of the people. The criticisms offered against the Government in many particulars, were usually made without intelligence as to the difficulties under which the Government labored. The Committee on Education and Special Training, a war organization, developed to meet this situation, did everything in its power, but the whole enterprise was new and mistakes were inevitable, and the University Campus was not quite hospitable to the rigid demands of military discipline.

The Registrar's Report, found in the appendix, contains a full and complete account of the S. A. T. C., to which reference should be made by those interested in the study of the organization.

#### LEAVES OF ABSENCE DUE TO THE WAR

The following list is approximately correct. Some names may have been omitted through inadvertence or the lack of information on file.

##### MEN IN UNIFORM

Thomas G. Phillips	Fred B. Grosvenor	John W. Means
Paul B. Sears	George B. Faulder	Alexander M. Steinfeld
Brooks D. Drain	Homer C. Corry	Phillip Wilson
F. Elwood Allen	Eugene F. McCampbell	Edward C. Ludwig
C. E. Andrews	William L. Evans	Phillip J. Reel
Theodore F. Kotz	James H. Warren	William N. Taylor
Frank C. Starr	Ralph A. Knouff	David S. White
Louis Reif	Halbert B. Blakey	Fonsa A. Lambert
Erwin O. Christensen	E. J. Gordon	Russell L. Mundhenk
George F. Arps	J. W. Sheetz	John H. Nichols
Wilbert C. Ronan	Samuel D. Edelman	Harry F. Reichard
Edmund S. Manson, Jr.	Gilbert W. Brehm	Wilmer C. Harris
Edward Orton, Jr.	George B. Schaeffer	Dwight M. DeLong
William McPherson	Hugh G. Beatty	Carl E. Steeb
Alan E. Flowers	Arthur M. Hauer	Walter Pierce
Frank E. Sanborn	Jonathan Forman	George L. Converse
Allando A. Case	Carl C. Hugger	Charles I. Reed
Jacob A. Foust	Verne A. Dodd	T. Rees Williams
Phillip H. Elwood, Jr.	Samuel Hindman	
Dana J. Demorest	Fred Fletcher	

##### MEN DOING GOVERNMENT WORK NOT IN UNIFORM

J. Ernest Carman	Edwin A. Cottrell	Frederic C. Blake
Matthew B. Hammond	Charles F. Kelly	S. J. Coon
Henry F. Walradt	Thomas E. French	Thomas H. Haines
Clyde O. Ruggles	John J. Adams	Charles W. Reeder
J. W. Bridges	Clyde Brookes	William Oxley Thompson
Robert G. Paterson	James E. Hagerty	Joseph R. Taylor
Franklin W. Marquis	Carl E. Parry	Cecil E. Boord
B. A. Eisenlohr	Thomas D. Phillips	Alonzo H. Tuttle
Henry R. Spencer	Edna White	Alfred D. Cole
E. C. Smith	Cecil C. North	William T. Magruder
George W. Trautman	Florence Meyer	William A. Knight
Rudolph Pinter	R. D. McKenzie	Thomas M. Hills
James R. Withrow	George Gephart	Roy A. Brown

##### DIVISION OF OPERATION AND MAINTENANCE—MEN WHO WERE IN THE SERVICE OF THE U. S. DURING THE WAR

Ernest Long	Andrew Armstrong	Emerson R. Davis.
John Long	Frank Corra	Lee E. Vigor
Thomas Allen	Charles M. Dunbar	



## GIFTS

The reported gifts for the year will be found in the schedule of the Secretary. It is worth while to direct attention to the gift of \$1500.00 by Frank A. Vanderlip, of New York city, the same being a fund the interest of which is to be used for the purchase of text books in the Department of Education.

The second noteworthy gift is that of \$1000.00 from Mr. Robert F. Wolfe, of Columbus, the interest of which is to be used for awarding a medal for the best paper in the Department of Journalism.

The third gift is from Mr. F. P. Beaver, of Dayton, for the benefit of the College of Homeopathic Medicine in connection with the work of research.

Fourth mention should be made of the two fellowships in the Department of Chemistry, by the DuPoint de Nemour & Company.

The appreciation of the Trustees and the University is hereby expressed to these donors for their generous consideration of specific needs and service in the University.

## CONCLUDING REMARKS

During the year the President was granted leave of absence from August 15 until November 11, 1918, to serve as Chairman of the Agricultural Commission selected by the Honorable David F. Houston, Secretary of Agriculture, and approved by President Woodrow Wilson. The object of the Commission was to make a study of the agricultural conditions in England and France, especially as to production and to recommend what modifications, if any, should be made in the agricultural program of the United States so as to insure that so far as food and feeds were involved, we should win the war. A further duty was to report what modification, if any, should be made in the after war program in order to make it sure that the best fruits of the war should be reaped without any menace from a lack of food.

Grateful recognition and thanks are hereby recorded for the honor conferred and for the generous treatment of the University in granting the leave of absence. The service was a great satisfaction.

The year has had more unfortunate experiences I believe, than any other year in the history of the University. These were chiefly the outgrowth of the war and war activities. It is a matter of some satisfaction, however, to report that before the year had closed, even though peace was not formally declared, the University, both as to Faculty and students, had returned with enthusiasm to the ordinary pursuits of education. Notwithstanding these unfortunate features, the year, and indeed the entire war experience, has been a serious and important education, and the future will doubtless profit in a large degree by the experience.

The cooperation of the trustees, faculty, students, the alumni, and indeed the families of the faculty, has been so splendid that comment seems almost to profane the situation which we feel but are unable to express.

I submit herewith as part of this report, the annual reports of the deans of the colleges; the report of the registrar and the usual statistical information. Attention is directed to the appendices as containing valuable and accurate summaries of income and expenditures and of many of the University activities. A complete detailed financial statement is printed annually as a separate bulletin.

Respectfully submitted,

August 14, 1919.

W. O. THOMPSON,

*President.*



## REPORT OF THE DEAN OF THE COLLEGE OF AGRICULTURE

*President W. O. THOMPSON, Executive Office, Ohio State University.*

DEAR SIR:—I have the honor to transmit herewith the reports of the departments in the College of Agriculture for the year ending June 30, 1919.

The past year has been an especially hard one for the College of Agriculture. The difficult labor conditions on the farm were in part at least responsible for the fact that the enrollment in this College last fall was proportionately smaller than in the other colleges, or in other words the College of Agriculture suffered more from war conditions than did the other colleges of the University. The introduction of the S. A. T. C. threatened for a time to completely remove all men students from the college. It is interesting to note, however, that the gain in the second semester was proportionately larger than for most of the other colleges. I anticipate a slower return to normal in this college than in others, principally because it takes so much longer for labor conditions to adjust themselves in the country than in the city.

I regret to have to announce that several members of our faculty have found it necessary to resign to accept commercial positions, in most cases at a very slightly increased salary. I look with some alarm upon a condition of affairs which makes it impossible to retain our promising and valuable young men.

Last fall we were able to complete the drainage system on the area of land to be devoted to fertility experiments, and the first series of plots was actually started the past spring. The other plots will be utilized as rapidly as the proper projects are prepared.

The general drainage layout for the farm has been begun in earnest and will be pushed to completion as rapidly as is possible and practicable, provided the meager appropriation for tile is sufficient for the purpose.

One hundred and eighteen acres of land lying immediately north of our present possessions have been rented on a five year lease. This will enable us to produce more feed for our animals, and provides two fairly good barns for the housing of some of our horses and cattle. We still need a considerable addition to our estate in order to meet all the requirements of a large agricultural college.

Work on the farm is seriously handicapped by lack of sufficient horse power and adequate machinery. The college has never owned a tractor, for instance, or a truck suitable for transporting heavy loads. We are short in all kinds of machinery.

Our farming operations are now so far away from the campus proper that much time is lost in traveling from the horse barn to the fields. We need further accommodations for our horses west of the river as well as a

tool shed so that we may be relieved from returning all machinery to the present implement building.

I am also anxious to have the farm completely fenced, but my request for fencing was not allowed by the legislature.

I must repeat what I have said in former years, to the effect that a crying need of the college is greater encouragement in research. Unless the research spirit is encouraged among our young men, I can not feel very hopeful for the progress of the college. It is also true that we can not attract to the college the type of faculty men we desire unless they can be assured of adequate opportunity for research. If the impression gets abroad that productive scholarship is not appreciated by the University it can but result disastrously to the College of Agriculture.

In addition to his duties on the campus the Dean has found it necessary to accept many invitations to speak elsewhere. Up to the time of the signing of the armistice there was a great demand for discussions of the problems of food production and conservation. The problems of educational reconstruction have resulted in many calls since that time. It is becoming a serious matter to meet all these requests without neglecting the duties on the campus, and he is often at a loss to know where his greatest duty and usefulness lie.

Respectfully submitted,

ALFRED VIVIAN,

*Dean.*

*Note:*—The report of Dean Vivian carried department reports which were historical accounts. That portion of his report is held for publication later when it is hoped similar accounts may be written in the other colleges.

W. O. THOMSON,

*President.*



## REPORT OF THE DEAN OF THE COLLEGE OF ARTS, PHILOSOPHY AND SCIENCE

*To the President:—*

I have the honor to submit my report as Dean of the College of Arts, Philosophy and Science for the year ending June 30, 1919.

### ENROLLMENT

The college enrolled 2182 students of whom 65 were also enrolled in the College of Education and 268 were summer students. Of the 1914, exclusive of the summer students, 1278 were men and 636 were women. 638 men of this college were enrolled in S. A. T. C., 221 of whom continued in college after demobilization. The effect of the war upon enrollment was evidently to hold permanent attendance about stationary for the years '16-'17, '17-'18 and '18-'19 (omitting the 417 S. A. T. C. students who withdrew after demobilization). The totals for the last five years have been as follows: 1914-15, 1311; 1915-16, 1611; 1916-17, 1787; 1917-18, 1710; 1918-19, 1765 (not counting the 417 S. A. T. C. withdrawals).

### FACULTY

The return of a number of members of the faculty from war service relieved the pressure in certain departments during the second semester. Great commendation is due to those members who willingly undertook extra burdens of teaching during the war, as well as to those engaged directly in war service. The spirit of the Faculty rose to all the requirements of war sacrifice. It is to be hoped that this fine spirit may not diminish through failure to recognize it in practical ways. It is to be hoped that we shall not lose the services of some of our best and most promising instructors through our financial inability to hold them against the combined pressure of the business world and of other institutions that pay better salaries. In view of the high cost of living there should be an immediate increase of salaries for teachers. The spirit of loyalty and devotion to the university, manifested during the war is still strong but it cannot long endure the hardships and difficulties that the present economic situation forces upon the underpaid scholar and teacher. Unless relief be found the ultimate result will be disastrous to the institution through deterioration in the quality of the faculty and of the teaching and the cessation of scholarly productivity.

S. A. T. C.

The educational work of the year suffered seriously because of the S. A. T. C. irregularity of classes in some poorly-heated buildings, and the visitation of the influenza. As to S. A. T. C., the scholastic work was in charge of a committee consisting of Deans Coddington, Vivian and myself.

The committee recognized that the military purpose was properly the main purpose. It should have been not the main purpose but the exclusive purpose. The attempt to accomplish the ends of a military and a higher educational training, under a double authority at one and the same time was a failure so far at least as education is concerned.

The sudden demand for extra instructors in English, French, Spanish, Mathematics, Chemistry, and war issues was met promptly by transferring instructors from other departments in which they were not needed and by employing new instructors as fast as these could be obtained. Workable schedules were promptly arranged. But conditions in barracks were such that protracted study was impossible and any study at all was difficult. Although supervised study at specified hours was early recommended by the War Department, it was not in effective operation here until nearly the end of the course when the assistance of the educational authorities in conducting it was permitted. Numerous students were kept from their classes for military duties and suffered loss of credit for no fault of their own. The result was a very inferior grade of educational work as even the liberal final marks given by the instructors show.

The experiment demonstrated clearly that a military organization of higher education is not good for education. Even with a set of educated officers sympathetic with education and holding class-work as of equal importance with military duties, the double purpose, especially in time of war, would fail. The only chance for its success would be in a small homogenous institution with a single program for all students. It proved impossible in a large university with a wide variety of curricula.

#### CREDITS FOR WAR SERVICE

By authority of the University Faculty, the executive committee of the College of Arts, Philosophy, and Science has granted credit to a maximum of eight semester hours to students returning from War Service. This credit applies in substitution for elective work mainly. In pre-medical courses, however, it applies in substitution for any work excepting the sciences and English. Other universities have granted war credits as follows: Wisconsin 10 hours for 6 months service; Nebraska, 2 hours for 6 months service; Indiana 10 hours for 6 months service; Kansas 1 hour for each month in service up to 15 hours; Michigan from 4 to 21 hours; Iowa from 1 to 11 hours. The following institutions allow credits as follows for commission or work in Officers' Training Camps,--Minnesota, 15 hours; Wisconsin 10 hours; Nebraska 1 hour per week up to 16; Oklahoma 8 to 16 hours; Kansas 6 to 15 hours. For special technical work in military service, Wisconsin allows a maximum of 6 hours; other universities, including Ohio State, determine the amount in each case by departments. Our S. A. T. C. credits were also reported by departments in the usual manner, the total actually obtained not exceeding in any case fourteen hours and in the majority of cases not exceeding nine hours.



Every facility has been granted students returning from the service to continue their work and to make up courses indispensable to further progress. During the second semester and the summer session numerous fundamental courses were repeated for the special benefit of this class of students.

The result of these concessions is that the total loss of credits to the individual is much less than would be expected.

#### RECONSTRUCTION

The experience of the year has brought into the foreground a nationwide discussion of educational values and a general reappraisal of curricula and courses. It is noticeable that many of the plans advocated have been in operation in our College of Arts, Philosophy and Science for years past.

First, is the demand for the substitution of a group system or a fixed curriculum in place of a free elective system. We have never had a free elective system at Ohio State University. For the last fifteen years or more we have had a group system with a minimum requirement, and a limitation on the total, in each group.

Second is the demand for a system of majors and minors. We have always had a system of majors and minors. We require a major amounting to three-tenths of the total work of the student and a minor amounting to three-twentieths; also three-tenths or more must be in advanced courses. We discount freshman studies taken in the senior year.

Third, there is advocated a quality test before promotion to the junior year. We have such a test in our point system, one feature of which prevents the promotion of students who do no better than pass work in all their studies. The University has also provided for psychological tests to be begun next semester.

Fourth, there is call for a closer scrutiny of the student's work than is afforded by the semester examinations. We have long had at Ohio State a system of mid-semester reporting as a result of which many students have been saved from failure by reducing their work; many others have been helped by advice and some have been removed from college after a second warning. The system is not entirely satisfactory,—no such system ever is,—but it is a rational attempt to deal with the problem.

Fifth, the practical abolishment of German and the attack on Latin have resulted in some of the older institutions in a reduction of the fixed requirement in Latin and permission to substitute a modern language for part of this requirement. In this college a total requirement equivalent to one language carried for four high school years and two college years has long been the rule, any two languages foreign or ancient being accepted. The reduction in amount of the college language requirement is advocated in some institutions in order that students may have earlier access to the natural sciences or to the social sciences but in our College of Arts, Philos-

ophy and Science, one study in each of these groups may be taken by freshmen and this has been our practice for many years.

Sixth, a vocational element in the liberal arts courses is advocated. We have long had combination curricula with our professional and vocational colleges. In addition we have the twenty-hour rule under which a limited amount of vocational work is possible for all who desire it.

Seventh, there is in all reconstruction programs a call for compulsory courses in physical education. Compulsory courses in physical education have been in force in this institution for many years in addition to compulsory military courses.

In fact most of the proposals under the name of reconstruction are now in effect in this college. They seem to be addressed to a type of institution which is no longer easy to find west of the Alleghany mountains.

There is plenty of opportunity, however, here as elsewhere, for improvement in the administration of all of these things, and we have committees now at work on several of the problems raised by the discussions of the past year.

#### JUNIOR COLLEGE

There are those who advocate a more definite separation of the work of the lower years from the work of the upper years. Some would have separate organizations and separate faculties and different methods for the two divisions. The educational world, however, seems to be committed to the system of crediting work course by course instead of year by year. This system has proved best in view of the varying abilities of students. The brilliant student may forge ahead of his class and the slow student may proceed a slower pace. But this produces serious difficulties in classification and together with the advent of the summer session, which is more and more being used by ambitious students to hasten their admission to their life work, prevents a rigid separation of junior from sophomore courses. The problem is further complicated by the fact that the freshmen do not start even. They present varying amounts of languages, science, history, mathematics, and other studies at the beginning of their course. It is doubtful also whether the separation into upper and lower faculties would be altogether good in its effect upon students and teachers. One of the evils complained of in large institutions is the gradual withdrawal of the more experienced men from contact with the freshmen. It is desirable also that no incentive such as the hope of participating in the conduct of advanced work, even research courses, should be withdrawn from any qualified instructor. The division if made rigid would produce more evils than it would cure; if numerous exceptions were made in the cases of both instructors and students, as should appear to be desirable, the system would not be different from that now in operation.

#### GRADUATE AND UNDERGRADUATE

There is more to be said in favor of a rigid separation of graduate



from undergraduate work. The admission of graduates and seniors to the same classes tends to weaken the instruction and to make it uncertain in method. Most of the courses now open both to graduates and to seniors should be made exclusively graduate courses. Usually the senior in such a course would profit more by taking less specialized work in the same or a collateral department, thus providing a wider foundation for high specialization later.

#### THE GENERAL EXAMINATION

It is proposed at Harvard and Columbia to require of each senior student for graduation a general final examination, covering the field of the major study. Such a final is prescribed everywhere in the Graduate Schools, covering both minor and major studies. It is now proposed to apply the same method to seniors. The method was used at the University of Michigan in the early eighties but was abandoned after a very few years as an unnecessary piece of educational machinery. In large institutions it necessarily entails an inordinate amount of examining; for the senior examinations would occur at the very time when the special graduate examinations and the regular course examinations for undergraduates are in progress. In an institution like our own in which most of the professors directing graduate work are also conducting undergraduate courses the burden of the graduate finals is already heavy. The senior finals would in some departments increase the burden ten-fold. This is merely a practical difficulty but it raises the question whether the final examination is not already being over-worked as an educational instrument.

It is also questionable whether such a thing as a "final examination covering the entire field" has ever been given or ever can be given. The graduate final is in practice a composite examination in the several courses which the student has taken and is conducted by the professors who give these courses. Necessarily, the test of ability and wide reading is less searching than it might be in several course examinations each occupying as much time as the entire final.

The proposal involves other things than the addition of another examination to the present list. It should mean essentially the beginning of the graduate school and its methods as early as the present junior year. It should mean the substitution of the final for the course examinations of the last two years. It should mean the abolition of the credit system at the end of the sophomore year, release from strict obligations of attendance on specified courses, in fact the inauguration of the old time German University system. No compromise seems possible. The attempt to apply the proposed plan only to the most promising students while the majority continue on the credit plan failed at Michigan because the most promising students preferred to continue on the credit system.

It is noticeable that the University system has not been applied in the semi-professional undergraduate schools where its application would seem to be most feasible. Schools of Education, Commerce, Agriculture, Engi-

neering, have preferred prescription by courses for their upper classmen although most of them offer more than one curriculum. The tendency of American students, graduate, undergraduate and professional, to measure their progress by the number of credits they have earned is deplored by the judicious. But a much more fundamental remedy must be found than the additional examination at the close of the work. When found it will probably prove to be not an added piece of machinery but more inspirational teaching.

#### PROSPECTS

All indications point to more than the normal increase in enrollment for the coming year. The budget has been made with no provision for any increase. In European History, Latin and Political Science vacancies have been left unfilled with a view to meeting the existing financial stress. If there should be an unusually large number of new students this fall it would be necessary to limit the enrollment in certain departments to numbers that can be taken care of. It is not easy to find good instructors so late as the month of October, after an emergency has appeared. If special authority is needed to limit attendance it is my judgment that such authority should be requested.

Yours respectfully,

J. V. DENNEY,  
*Dean.*



REPORT OF THE DEAN OF THE  
COLLEGE OF COMMERCE AND JOURNALISM

*President W. O. THOMPSON, The Ohio State University.*

MY DEAR PRESIDENT:—I am submitting herewith a brief report of the College of Commerce and Journalism for the academic year 1918-19. The registration this year was much less than it otherwise would have been on account of the war. The registration the first semester was 62, the second semester was 103. The registration for 1917-18 the first semester was 96, the second 82. The greatly increased registration in the second semester of 1918-19 was due to the return of students, who had been in the service. The war affected the registration in a senior college much more than in a four-years' college. Most of the students in this college are men and practically all of the juniors and seniors are twenty-one years of age or over and consequently were eligible to military service.

On account of the absence of many of the teachers in the College in military service, many of the courses had to be discontinued for the first semester; with the return of several of these teachers the second semester and the employment of others, we were enabled to carry all but a few of the courses the second semester.

Soon after the United States became involved in war members of the staff of the College of Commerce and Journalism were called on to render war service and they responded to every call which did not interfere too seriously with the work of the University. Over one-half the members of the staff of this college gave full time service in war work for a portion of the time our country has been at war and some of them have given continuous service almost from the beginning of the war.

Of these, three resigned to enter the army, one gave a year's service in the office of the State Draft Headquarters and another gave several months of service in this office. One was a member of Mr. Hoover's staff in Washington in charge of labor problems of the Federal Food Administration throughout the first semester of this year. One was with the United States Shipping Board throughout the first semester and another was with the War Trade Board throughout the year and is still in this service. One organized and was in charge of the War Camp Community Service work of Louisville, Kentucky, for eight months, and had charge of similar work two months in El Paso, Texas, and three months in Detroit. Another had charge of the civilian relief work at Camp Sherman six months. Two were special investigators of the office of the Federal Food Administrator of Ohio for three months. One was executive secretary of the committee on patriotic education of the state branch of the Council of National Defense. Another was Deputy Food Administrator of Ohio and in charge of the Division of Marketing and Head of the Civilian Relief Department of the Columbus Red Cross Society. The latter also conducted three Home Service

Institutes for the training of civilian relief workers which were held under the joint auspices of the National Red Cross, the local Red Cross and the Ohio State University. Another, while carrying a full time schedule in the University, gave much time to the war chest drive, two liberty loan drives, a Red Cross drive for nurses in Franklin County, and other activities. Another member also gave a great deal of time to Red Cross work while doing his full quota of University work.

The work of the College of Commerce and Journalism is at the present time handicapped on account of insufficient quarters in the basement of Page Hall. The remoteness of the Department of Journalism from the department of Economics and Sociology makes it inconvenient to students and teachers in going from one building to another. The two departments should be housed in one building where suitable equipment and facilities should be proved.

The Board of Trustees recently authorized the organization of a Bureau of Business Research and Bureau of Social Research within the College of Commerce and Journalism. As soon as funds can be provided these bureaus should be organized as it is very important that the University should give the kind of service which these bureaus were created to render. Following the close of the office of the Federal Food Administration for Ohio there is a very important work to be done in the state which a bureau of business research could perform. The war has resulted in the multiplication of social agencies and has greatly increased the activity of those that already existed. The University through a bureau of social research is the logical agency to set standards and take the lead in a better organization of the social work of the state.

As the American Red Cross Society has been greatly in need of trained social workers it invited the College of Commerce and Journalism to enter into arrangement with it by which students sent by the American Red Cross will be given training for some of the important kinds of work which they feel should be done. In this arrangement the American Red Cross has agreed to pay the expenses of a field supervisor, who is to be selected jointly by the College of Commerce and Journalism and the Red Cross and who is to have charge of the field work of all students in social service.

Very respectfully,

J. E. HAGERTY,  
*Dean.*



## REPORT OF THE DEAN OF THE COLLEGE OF DENTISTRY

The year 1918-1919 saw our first full four-year course in operation. Owing to the fact that we started this course two years ahead of other dental colleges, except Minnesota, lowered somewhat the attendance. Also, no doubt, the war had much to do with smaller freshman classes in the years 1917-1918 and 1918-1919. Yet we have a well balanced situation in the four classes as follows:

Entering in September, 1918:

Freshman .....	53
Sophomores .....	21
Juniors .....	22
Seniors .....	23
( 6 graduating after June and subsequent to November, 1918)	

The disbanding of the Student's Army Training Corps left our Freshman class much smaller, as about 50% of the class withdrew from the University. The year ended as follows:

Freshman .....	28
Sophomores .....	15
Juniors .....	25
Seniors .....	18

Two Seniors and three Sophomores returned during the year from active army service. There were about fifteen Seniors graduated.

Our three instructors in active service have signified their intention to be with our instructional group next fall. Major John William Means, D. D. S., M. D.; Major Frank C. Starr, D. D. S.; and Captain Lewis E. Reif, D. D. S. All three saw active service in France, and have returned much enriched in their respective fields of endeavor.

There were no additions to the instructional force during the year, and we lost one instructor, Arthur M. Elam, D. D. S., (Metallurgy, Crown and Bridge) who left Columbus early last fall. Dr. Semans with Dr. Mobberly, took up his work for the year. Following the desired policy of the University for the ensuing year no new instructors have been recommended.

Three senior students were elected to membership in the dental honor fraternity, Omricon Kappa Upsilon,—Charles H. Loughry, John C. Lupton and Sheldon Jenks Mann.

There are two college associations, at the present time, in operation. The American Universities Dental Faculties Association, of which we are a member, and the National Faculty Association. Acting upon the advice of the Surgeon General of the United States Army, a meeting of committees from the two organizations was held last summer in Chicago during the session of the National Dental Association. Dean Semans being a member of the committee representing the American Universities Dental Faculties Association. This joint committee recommended a full meeting

of delegates to be held in Atlanta, Georgia, the last week in January, 1919. Dean Semans was authorized by President Thompson to act as delegate for the Ohio State University. At this meeting a tentative constitution was presented by the temporary joint committee. The cessation of war activities probably had much to do with a degree of lack of harmony in the get together spirit, so that the meeting adjourned without definite action, after a two day session, agreeing, however, to meet next October, during the National Dental Association meeting. I believe, however, that much good will result from this meeting, in that the idea of actual university control of all dental colleges has now become recognized as a vital necessity. Several changes in this direction have come about lately. The Lincoln Dental College, has become the College of Dentistry of the University of Nebraska; Louisville College of Dentistry has become the College of Dentistry of the University of Louisville; and two colleges in Texas have united as the College of Dentistry of Baylor University; and there are seven or eight other institutions working out plans in this direction.

At a separate meeting at Atlanta, Georgia, of the American Universities Dental Faculties Association, the plan was started toward the requirement of one college year for entrance. A committee, of which Dean Semans was a member, met in Chicago, June 20, 1919, and the following was advocated: That this additional year be required in the session of 1921-22 and that the course be, Physics, English and Biology required, and the requisite number of hours be made up in the following subjects: Chemistry Language, Trigonometry, Shop Practice Technical Drawing.

The winter session of the American Dental Teachers' Association, had a good representation from our faculty: Drs. Cottrell, Hebble, Wiltberger, Bottenhorn and Seamans. The faculty has shown its usual interest in our various local and at large dental meetings with papers and clinics.

The smallness of our senior class, and the Student's Army Training Corps, limited considerably our outside clinical work during this year. We gave, however, good service to the work at the Girls' Industrial Home. Our clinic results are as follows:

Fees.....	\$5431.48
Work—	
Gold Fillings.....	520
Gold Inlays.....	320
Amalgams.....	1120
Enamel.....	220
Restoration of Lost Parts.....	300
Oral Hygiene and Oral Surgery.....	2500

The average per operator for this year shows a decided increase over averages for any other year.

Respectfully Submitted,

HARRY M. SEMANS,

Dean.



## REPORT OF THE ACTING DEAN OF THE COLLEGE OF ENGINEERING

*To the President of the Ohio State University:*

As Acting Dean of the College of Engineering I have the honor to submit my report of the college for the year ending June 30, 1919.

### ENROLLMENT

The enrollment for the year was as follows:

	1st Sem.	2nd Sem.
Architecture.....	23	23
Architectural Engineering.....	36	18
Ceramic Engineering.....	39	31
Chemical Engineering.....	213	134
Civil Engineering.....	242	119
Electrical Engineering.....	269	153
Mechanical Engineering.....	269	146
Mine Engineering.....	32	23
General Engineering.....	9	16
Special.....	2	—
Unclassified.....	55	23
TOTAL.....	1189	686

The large enrollment of the first semester was due to the Student Army Training Corps. The large number who did not return for the second semester's work was made up largely of first year students who had entered solely to join the S. A. T. C. and who had no interest in their academic work. Many of the bona fide students however, found conditions for study so unsatisfactory that they withdrew when the S. A. T. C. was demobilized, expecting to return September, 1919. We are expecting quite a number of these boys to register at the beginning of the next semester.

### GRADUATES

The number of students receiving their degrees at Commencement or during the year is as follows:

Bachelor of Architecture.....	2
Bachelor of Architectural Engineering.....	2
Bachelor of Ceramic Engineering.....	5
Bachelor of Civil Engineering.....	9
Bachelor of Chemical Engineering.....	6
Bachelor of Electrical Engineering.....	23
Bachelor of Mechanical Engineering.....	6
Bachelor of Engineering in Mining.....	3
Bachelor of Engineering.....	6
Total.....	62

This number which compares very favorably with the 79 graduates of the previous year was made up largely of men who at the beginning

of the year were enlisted in the Engineers' Reserve Corps of the United States Army. Almost all of the senior electrical students had previously enlisted in the Signal Reserve Corps of the U. S. Army.

Had not these men received exemption from the draft by being classified as already in the service our list of graduates would have been quite small.

#### FACULTY

The following members of the engineering faculty were serving in some capacity in the United States Army during at least a part of the year:

- Edward Orton, Jr.—Research Prof. in Ceramics.
- William McPherson—Professor of Chemistry and Dean of the Graduate School.
- William Evans—Professor of Chemistry.
- Allen Flowers—Prof. of Electrical Engineering.
- Dana J. Demorest—Prof. of Metallurgy.
- Frank E. Sanborn—Prof. of Industrial Arts.
- Edmond S. Manson—Assoc. Prof. of Astronomy.
- Earl Clement Smith—Instructor in Metallurgy.
- Wilbert C. Ronan—Instructor in Architecture.
- A. A. Case—Instructor in Machine Shop
- Jacob A. Foust—Instructor in Forging.
- Marquis F. M.—Prof. Steam Engineering has been engaged in government work as a civilian.

The work of many of these men was carried by those remaining in the departments so that only a small number of substitute instructors were used. Those who remained carried almost all of the regular work and also during the first semester quite an amount of special work given to the S. A. T. C. students. For example, Professor Sherman who had charge of giving instruction in Surveying and Map-making to one hundred and seventy-five S. A. T. C. students, used for that purpose all the instructors of Civil Engineering department, Assistant Professor Norman W. Scherer of the department of Horticulture and Forestry and the members of the fourth year class of civil engineers. This was, perhaps, the most difficult situation to adjust that occurred in the college. I take this opportunity of expressing my appreciation of the cooperation of Dean Alfred Vivian of the College of Agriculture who kindly arranged to have Professor Scherer assist Professor Sherman in this work.

It should be stated that the reduced enrollment of the college offered some relief to the demands made upon those who remained to carry on the work of the college. This relief was quite small in comparison with the extra work occasioned by those who were absent and by the presence of the S. A. T. C. Due credit should be given to those who remained to do the less conspicuous work when mention is made of those who were selected to aid directly in the prosecution of the war.

#### NEW EQUIPMENT

Very little new equipment of any importance has been added to the department of the college during the year. It may be stated however, that



the installation of the liquid machine in Robinson Laboratory was completed during the year and a trial run has been made. A small amount of liquid air has been manufactured.

Some of the departments are in urgent need of new equipment. This is particularly true with respect to the department of Industrial Arts. Professor Knight has estimated that it would cost about \$30,000 to completely equip the shops of his department.

#### NEW BUILDINGS

The college is still in urgent need of a new Chemistry building and an extension to Brown Hall. While the \$75,000 already appropriated for the beginning of the new chemistry building will offer some relief, \$300,000 will probably be required to give the department of chemistry all the space required to do its work efficiently.

Before and during the war the number of students taking chemical engineering has been increasing quite rapidly. There seems to be no reason for a cessation of this growth and of the demand for additional facilities to give the courses in industrial chemistry satisfactorily. These facilities have been sadly deficient for a long time and are becoming more and more so. Mention should also be made of the lack of space and equipment in all branches of chemistry.

Conditions in Brown Hall are becoming more and more intolerable. It was thought that the limit had been reached several years ago. The departments of this building should be given relief by providing more space for them in the near future.

I believe the time is propitious to give some attention to a proposed engineering group of buildings on the campus. Professor H. D. Smith of the department of Architecture has already made a preliminary study of such a group, using the present engineering buildings as a nucleus.

#### CONCLUSIONS

While there have been an unusual number of disturbing factors during the year on the whole, I believe our standards of scholarship have been maintained fairly satisfactorily. The unfavorable conditions have tended to eliminate the weak and less serious minded students. The number of delinquent reports at the end of the semester just ended is two hundred and eighty-six, of which thirteen are out of college under the rules. The number out of college is unusually small and the total of delinquents is less than usual, being about 42% of the total enrollment. In other words 58% of our students passed all of their academic work. It would seem, therefore, that we may look forward to next year's work with quite a bit of optimism and encouragement.

Respectfully submitted,

E. F. CODDINGTON,  
*Acting Dean, College of Engineering.*

REPORT OF THE DEAN OF THE  
COLLEGE OF HOMEOPATHIC MEDICINE

W. O. THOMPSON, *President, Ohio State University.*

MY DEAR SIR:—I take pleasure in submitting the following report of the College of Homeopathic Medicine for the year closing June 30, 1919.

The year just closed has been one of the very difficult ones since the opening of the college. The work of the first half of the year was seriously handicapped by the presence of the Students' Army Training Corps. The effect upon the freshman class was especially noticeable. A class of seventeen students entered the college and, after the irregularities incident to the S. A. T. C. during the first semester, but nine freshman students continued the work of the second semester. No doubt, the terrible epidemic of influenza contributed in a large measure to the difficulties of this period. Beginning with the second semester, conditions became much more favorable and the second half of the year has gone along in a more satisfactory manner.

Owing to the absence from the faculty, in military service, of one full professor and three assistants, the work of the hospital has been made especially difficult during the year. Dr. A. B. Schneider as lecturer in the department of Physical Diagnosis, assisted materially in the absence of Professor Grosvenor. The absence of the younger men as assistants to the various departments, placed a greater burden upon the members of the faculty and, in a measure affected the hospital's work. In April and May, the majority of the men who were in military service returned to the college. Captain Grosvenor returned in late April, Captain Faulder and Lieutenant Sage in May and Captain Keiser in July.

Two of the alumni of the college received military awards for bravery and distinguished service during the war. They were Lieutenant Neil A. Dayton, of the class of 1915, and Captain William H. Caine, of the class of 1916. These two men were among the sixty-six American medical officers decorated by the British Government for bravery and distinguished service during the war.

I am pleased to state that again all of the graduates of the present senior class passed the examination of the Ohio Medical Board for licensure.

One of the most important steps taken by the college during the past year has been the establishing of relations with the Board of State Charities for the care, in the University Hospital, of the state cases administered through the Board of State Charities. It seems to us that this plan of co-operation is far-reaching in that it is the first step toward opening for the state's worthy poor, the channels to our University Hospitals for clinical teaching purposes. It seems that it opens up the field for a form of extension service in the matter of the public health of the state as it relates to the medical schools of the State University. Cases are already coming in in considerable numbers from many different counties in the state.



For the purpose of furthering this important work, the sub-department of pediatrics, of the department of Internal Medicine, has been created. Dr. E. H. Baxter, a graduate of the College of Arts and of the College of Homeopathic Medicine, has been made an Instructor and placed in immediate charge of this work. Dr. Baxter is, at the present time, on leave of absence as chief interne of the Children's Homeopathic Hospital of Philadelphia. This is one of the large special hospitals in the East devoted to the care of children. The department of pediatrics should serve in a most valuable way, not only as an agency for medical teaching but as a means of education for the children and the mothers who come under its influence. We should look forward in the future to providing day-school opportunity for the children who come to the clinic. There should also be developed health lectures for the mothers of children who are clinical patients. For the present, the first floor of the old hospital building is being fitted up in order that this work may be carried on there. There will be provision for a ten-bed ward, two smaller, four-bed wards, a large sun-porch and a fenced-in playground in the rear of the hospital for recreation purposes. This will offer sufficient accommodation for the present.

The need of the college for suitable quarters for experimentation and research work has been urgent for a number of years. During the past year, a gift of five thousand dollars was made by Mr. Fred P. Beaver of Dayton. Preliminary plans have been drawn for a two-story building, estimated to cost about fifteen thousand dollars. Professor Bradford has advised us that this building can be constructed in such a manner that it will form a unit in harmony with the homeopathic science building which is contemplated for the college. This is a serious need of the college, not only for its best development but for the purpose of making possible the removal of animal work from the Horticulture Building. This work has, we know, been very objectionable to the Horticulture Department and has, likewise been a great inconvenience to the progress of the work in the department of *Materia Medica*. In spite of the handicap of the lack of suitable research opportunity, Dr. Hinsdale has brought out, during the past year, some important work in connection with the treatment of burns.

As will be shown by the hospital report for the year, there is an apparent decrease in hospital activities since the number of patients treated in the hospital is about one thousand fewer than that of the year previous. In a comparison, however, with the report of the year 1917-18, it will be shown that this is accounted for in two ways: namely, the greatly lessened student body of the past year and the absence of the aviation school, both of which sources, during the year before furnished the hospital something over twelve hundred patients. Very few patients from the Students' Army Training Corps were treated in the hospital.

In this connection it might be stated that two of the members of the University Hospital staff, Doctors Ferree and Burrett, served on the medical staff of the S. A. T. C.

The number of patients, other than students and soldiers, actually increased during the past year, accounting for a marked increase in the number of hospital bed-days and in the total hospital business for the year, of nearly two thousand dollars. One of the gratifying reports in this connection is the fact that the cash receipts of the hospital increased \$5676.27 over those of the year before and that the amount of purely charity cases, that is, those cases which did not pay for room and board or medical service, was decreased to \$2535.99 as against \$6457.83 for last year. At the same time, the cost of maintenance was relatively decreased.

Beginning July 1 we have adopted a new policy with reference to the resident staff of the hospital. The tendency at the present time, in clinical teaching, is to give opportunity for senior students for resident interne work in a hospital under proper supervision. We have, therefore, created the position of chief resident interne which shall be filled by a graduate physician. The students of the senior class are to be divided into sections and given a period of residence in the hospital as student internes under the immediate direction of the chief resident interne. This gives opportunity for history writing, bedside examination and observation of treatment under proper instruction. Dr. Harry E. Cauffield, of the present senior class, who has been a resident in the hospital during the past year, has been selected for the year 1919-20. This plan has been worked out, particularly at the University of Minnesota Medical School, in a very successful manner.

I should like again to recommend that the training school for nurses be made a department of the college and that its graduates receive their certificates at the regular Commencement time of the University in June. This plan is being carried out at the University of Michigan very successfully. At the present time, when the training of nurses is being put upon a higher educational basis and when all over the country there is an insufficient supply of pupil nurses to fill the hospital training schools, we feel that this would be an added inducement to prospective pupils of the training school.

I should again like to recommend that a joint committee, from the college of Homeopathic Medicine, the College of Medicine and the College of Arts, be appointed to make the entrance requirements of the two medical schools identical.

I am submitting the usual detailed report of University Hospital by departments, all of which is respectfully submitted.

Very truly yours,

CLAUDE A. BURRETT,

*Dean.*



## REPORT OF THE DEAN OF THE COLLEGE OF VETERINARY MEDICINE

### *To The President:*

Pursuant to your request I have the honor to submit herewith a brief report of the College of Veterinary Medicine for the academic year 1918-1919.

### GENERAL REMARKS

Considering that the Great War was still on at the beginning of the academic year the work of the College has on the whole been satisfactory. Up until November 20, 1918, the College suffered from a dual control, the Faculty of the University and the War Department attempting to cooperate in an effort to keep up the supply of trained veterinarians in case the war lasted indefinitely. The Medical Enlisted Reserve Corps and the Student Army Training Corps were, among other things, organized with this end in view. While the motive behind these organizations was laudable the methods employed to carry out the details were far from efficient and the results very unsatisfactory. Undoubtedly, however, had the war continued, modifications would have been made and the organizations ultimately justified their existence.

Due to the war several of the older and more experienced members of the teaching force were in the army. Their places were filled by younger men of less experience. Obviously, to a certain extent, an unavoidable let-down in the pedagogic efficiency became manifest.

In accordance with a popular demand for higher entrance requirements and longer veterinary curricula, fostered by the American Veterinary Medical Association, private veterinary schools have been forced to adopt high school graduation, or its academic equivalent, as a minimum for entrance and to lengthen the curriculum to four years of at least eight months each. The resulting reduction in the number of students entering the profession has caused some of the private schools, dependent wholly on student fees for support, to close their doors. The Kansas City Veterinary College (the largest and best equipped of the private schools), the Grand Rapids Veterinary College, the San Francisco Veterinary College, and the Terre Haute Veterinary College have each gone out of business. On the other hand, the reduction in private schools has stimulated several states to become interested in veterinary education and to make an effort to establish adequate veterinary schools at their land grant colleges. So far Texas and Oklahoma have established veterinary schools with their respective state colleges. Illinois, Minnesota and North Dakota contemplate doing the same as soon as sufficient state funds become available. It is to be hoped that this thing will not be over-done. A mediocre state school has less excuse for existing than a mediocre private school. At least a private school has

this plausible and legal argument on its side: It gives each student what he pays for and makes no claim at turning out a finished product. Such an attitude on the part of a state institution would be deplorable.

#### FACULTY

Four members of the permanent veterinary faculty received commissions in the United States Army. Two temporary appointees were also commissioned. The Dean of the College began service for the War Department in May 1917 when he was appointed special examiner for the State of Ohio for the Veterinary Officers' Reserve Corps. In the latter part of July 1917 he was made a member of the advisory board to the Surgeon General, W. D. This board consisted of five members as follows: One from Cornell University, two from the University of Pennsylvania, one from the Ohio State University, and one from the Bureau of Animal Industry, United States Department of Agriculture. The report of this board to the Surgeon General of the Army was ultimately adopted by the War Department and officially issued as S. R. No. 70 which officially created the Veterinary Service of the Army of the United States. This Service consisted of 2500 officers and 32000 men. On October 1, 1917, the Dean was commissioned a major in the Veterinary Corps, National Army, and placed in charge of Veterinary supplies and equipment. On July 12, 1918, he was promoted to lieutenant colonel and ordered to join the Expeditionary Forces. On August 28, 1918, he was made Chief Veterinarian of the American Army in France. In this capacity he entirely reorganized the service along the lines adopted by the War Department in the States, but which had been entirely ignored by the A. E. F., with the result that in eight weeks the morbidity among the animals had been reduced from approximately 75000 to 42000 and the mortality greatly lessened. In October, 1918, he was promoted to full colonel and on February 11, 1919 was honorably discharged from the Army.

Lt. Col. Russell L. Mundhenk made a very remarkable record as an officer of the line. After serving from July, 1916, until March, 1917, with his command, Company G, 4th, Ohio Infantry, on the Mexican Border he resigned his commission as captain in April, 1917, and was recommissioned first lieutenant and made battalion adjutant, 4th, Ohio Infantry. In July, 1917, he was promoted to major of field artillery and placed in command of the Artillery Ammunition Train, 16th Division, which later became Motor Section of the 112th Ammunition Train, 37th Division. In January, 1918, he was transferred to the Signal Corps and assigned to command the 112th Field Signal Battalion, 37th Division, with which organization he left for overseas in June, 1918. He remained with the 37th Division throughout the war and saw a good deal of action being in every battle in which this Division took part. At Montfaucon he was gassed and his horse shot under him. A machine gun bullet penetrated his metal helmet. He received the Croix de Guerre at Ballon in February, 1919, citation in the orders of Corps du Armee and was promoted to lieutenant colonel Feb-



ruary 21, 1919. He was honorably discharged from the service in July, 1919.

Fonsa A. Lambert entered the veterinary service as a second lieutenant in December, 1917. After serving on horse purchasing boards he was transferred to Camp Greenleaf, Georgia, where his administrative ability was soon recognized. He was promoted to first lieutenant, then rapidly to captain, and from September 1, 1918, until its officers were transferred or discharged, January 15, 1919, acted as battalion commander. He also served as an instructor in the School of Veterinary Instruction from July 20th, until its close, December 20, 1918. Some 1300 officers, 68 of whom were from the Ohio State University, passed through his hands. His record was such that he was granted and accepted a commission as captain in the Veterinary Reserve Corps. After receiving his discharge Captain Lambert returned to the University, February 4, 1919. He resigned from the University July 1, 1919, to take up more remunerative commercial work.

Dr. William M. Weldishofer, who held a temporary appointment for one year in the College of Veterinary Medicine, was commissioned, and at the expiration of his term of service in the University, placed on active duty. He was soon promoted to first lieutenant and sent overseas, was there promoted to captain and at last reports was with the Army of Occupation in Germany.

Drs. Samuel J. Schilling and Russel E. Rebrassier were each commissioned second lieutenants in the Veterinary Corps of the Army. At the request, however, of the University authorities they were placed on "inactive duty" in order to continue their work in the University. These two men made sacrifices in salary and future prestige by complying with this request. They have rendered, however, honorable and efficient service and did so without complaint. Both of them are still connected with the University.

Dr. James H. Snook, from May to September 1918, was instructor in rifle and small arms practice in the School of Military Aeronautics on the University Campus. Dr. Snook, who is one of the best revolver shots in the United States, contributed a great service in training men to shoot straight. He did not enter the Army but was attached to the School of Military Aeronautics as a civilian instructor. He refused a majority in the Ordnance Corps of the Army to remain with the College during the period of the war.

Appreciation of the services of each of the instructors who were offered opportunities to enter the army but who felt that someone must remain at home to keep intact the college organization and to contribute in this way toward winning the war should be expressed. Most of these men served in this nonspectacular, prosaic way at lower salaries than they would have received in the army and with full appreciation of the sacrifice they were denying themselves the opportunity offered every man physically able to serve his country at war.

Professor Septimus Sisson was granted a leave of absence for the next academic year at his own request on account of the condition of his

health. Dr. Mundhenk will assume charge of the work in veterinary anatomy, assisted by Dr. Samuel J. Schilling, during Professor Sisson's absence.

#### STUDENTS

Due to war conditions and the increased requirements for graduation the number of students enrolled has been smaller. Eighty-nine matriculated during the year. Under the S. A. T. C. at least fourteen students transferred from other colleges of the University to the Veterinary College. On the signing of the Armistice they transferred back to the colleges from which they came. However, at this date the outlook for a good sized freshman class is very good.

#### ALUMNI

Of the 620 alumni of the College 205 entered the army and were placed in active service. Of these 205 alumni 189 received commissions as follows:

Colonel .....	1
Lieutenant Colonels.....	2
Majors .....	8
Captains.....	22
First Lieutenants.....	51
Second Lieutenants.....	105
Privates .....	16

Three of these officers, Colonel David S. White, Lt. Col. Reuben Hilty, and Major George R. Powell, each received the decoration "Officer de la Legion d'Honneur" from the French Government.

Coincidentally the highest rank ever held by a veterinary officer in the United States Army, that of full colonel, fell to an alumnus of the Ohio State University. Of these officers two died in service and one was severely wounded. Sixteen alumni did not receive commissions but served as privates or as officers in other branches of the service.

The record of the College of Veterinary Medicine, as of the University, speaks for itself. It has been a patriotic and an honorable one. The University and the Commonwealth of Ohio can well be proud of it. While everything contemplated was not accomplished, largely due to the cessation of hostilities, enough unselfish, sincere and devoted work was done to make the war history of the College stand out conspicuously.

#### CLINICS

The clinics held daily in the Clinic Building are steadily increasing. During the past academic year there were presented for treatment at the Veterinary Hospital 6289 cases, an increase over the preceding year of more than 400. This does not include 1867 cases treated in the Out-patient Clinic, animals which were not brought to the Hospital. The Clinics have been self-supporting. No veterinary college in the country offers better clinical facilities.



## BUILDINGS

No buildings have been added to the physical plant since the completion of the Veterinary Clinic. A new building is needed for a horseshoeing shop, cold storage plant, ambulances and for vehicles left at the Clinic from time to time by owners. This building need not be large but should be so constructed as to form the nucleus of a larger one later.

## BETTERMENTS

As soon as money is available an effort should be made to foster original research especially along the lines of applied pathology and bacteriology. As neither the Agricultural Experiment Station nor the Bureau of Live Stock Industry of the State Board of Agriculture are seriously attempting to cope with the many conditions menacing the animal husbandry of the state it would seem that some of this work should be taken up by the University. The Experiment Station does no veterinary work whatever, and the State Bureau of Live Stock Industry finds itself so much occupied with veterinary police work and the production of anti-hog cholera serum that it can have little time to the working out of important veterinary problems. A veterinary experiment station would increase the efficiency of the College in a number of ways. It would also attract a few young men each year who expect to make veterinary research their life's work and who now are forced to go to other states offering better advantages in this regard.

Very respectfully submitted,

DAVID S. WHITE,  
*Dean.*

REPORT MADE TO THE UNIVERSITY FACULTY MAY 8, 1919,  
BY THE LIBRARY COUNCIL, IN ACCORDANCE WITH THE  
RULE OF THE FACULTY REQUIRING AN ANNUAL  
REPORT AT THE MAY MEETING OF  
THE FACULTY

*To the University Faculty:*

The Exectutive Committe of the Library Council, acting for the Council, begs leave to present the following report on the Library.

Since the last report was made to the Faculty by the Library Council on May 9, 1918, there have been added to the University Library 12646 books. Of this number 7550 have been purchased; 2611 have been presented; 2440 have been added by binding periodicals and pamphlets, and 45 by exchange.

This year the Library has not published the New Book List, which in previous years was sent to each member of the Instructional Force and which gave titles of all purchased books and of many of the most notable gifts. The reason for not issuing this list was the necessity of retrenchment along all lines of current expense. Judging from questions asked and comments made, this list met a real need and it is hoped to resume the publication next year.

The gifts to the Library have been as usual from government and state departments. There have also been the usual number of individual gifts, but no large libraries or collections have come to us during this year.

By exchange we have received volumes from other libraries. The system of exchange between libraries is one well established and exchange accounts are kept, either by piece exchange, or by priced exchange. In this way the University Library can make its duplicates of real value. Owing to the fact that this is a state institution, we are not allowed to dispose of our duplicates except for value received. This was brought out very clearly when we were asked to assist in rehabilitating the University of Louvain. The American Committee asked to have our list of duplicates from which selections could be made. The Library Council felt that we were prohibited from doing this, but that the University could give its own publications and the Graduate Council has agreed to sending the doctors' thesis. In this way we are able to take a small part in the restoring of that great library.

The number of books now recorded in the University Library is 201,660. It may be interesting in this connection to compare the size of our Library with the size of the libraries in a few other Universities. Take only five: Cornell, Illinois, Michigan, Minnesota and Wisconsin. The statistics are those of 1917-18. At that time Cornell reported 557,931 volumes; Illinois (not including Medicine) 403,257 volumes; Michigan 400,830 volumes; Minnesota 266,000 volumes; Wisconsin (including the Historical So-



ciety) 454,000 volumes. Last year the Ohio State University reported only 191,100 volumes, the two hundred thousand mark having been reached this year. Of the five institutions mentioned, Wisconsin and Michigan are much older than Ohio State University. Illinois though no older, has been able, by means of large legislative appropriations, to overtake and pass by the older institutions. But the State of Ohio is not the State of Illinois and the Ohio State University has different conditions to face than has this sister institution. Cornell's wonderful library has come in large measure through the munificence of its friends. When a valuable collection of books or manuscripts came to the notice of the university authorities it was brought at once to the attention of some wealthy friend who forthwith purchased it for the Library. Other friends made a business of collecting for the library. We are, it is hoped, approaching the period when such bequests and donations will be made to the Library of the Ohio State University, provided always that the collections are made with intelligent care.

At present we have only four funds: The Outhwaite Fund, the Seibert Library of German History Fund, the Clark Fund, and the Coleman Fund. Mention has been made in previous reports of these funds and it is not necessary to repeat the statement at the present time. It is interesting, however, to note that the Outhwaite Collection of books on the Civil War at present numbers over 1,000 volumes and the Seibert Library of German History almost 1,000 volumes. These are collections which would be deserving of notice in any statement of library resources. When the U. S. Bureau of Education in 1912 issued its "Lists of Special Collections in Libraries in the United States", the Ohio State University was represented only by its great collection of Herd Books and the Seibert Library of German History. At the present time a number of additions could be made if a revised bulletin were to be put out. It may be desirable to note that when such lists are made, the collections included must be along special lines. To quote from the circular of information, "The fact that a library has 200 volumes of Miltonians is more to the point than that it has 5,000 volumes of English literature."

A case in point is that of the Library's collection of material relating to the World War. We have at the present time 1650 volumes, which sounds like a good many. Yet when it is compared with the output of books, pamphlets, newspapers and documents relating to this War, it is but a very small portion. Compared with what other libraries are doing we feel that we can not even so much as mention it. Some libraries, notably Clark University and the New York Public, are attempting an "everything collection", blanket orders having been left with foreign agents to pick up every bit of printed material relating to the great struggle. Other libraries which have not laid out quite so pretentious a program, have yet gone into the matter very deeply. For example, the University of Wisconsin, increased its newspaper list at the beginning of the of the War to include twenty papers from France, Italy, Holland, Denmark, Spain, Norway, Swe-



den and Switzerland, so that the actual every day information would be available in the library. There has just been purchased for the University of Michigan, through the generosity of a friend, a great collection of newspapers which had been received in Washington. The Library of the Ohio State University has not been able to purchase even half of the most outstanding books and documents.

The subject of special collections cannot be passed without mentioning the library bookplates. At the present time the University Library stands remarkable well in comparison with other libraries in its bookplates. In the days when the University was poor, it seemed better to mark the books with a simple printed label rather than to attempt any specially designed bookplate which at that time could not be of the highest order. However, when Mr. Outhwaite established the Civil War Collection, he commissioned Mr. Winfred Spenceley, at that time one of the great bookplate designers of the day, to design a special plate for that collection. This was our first engraved bookplate. Following that came the bookplate for the Library of Mr. E. E. White which was also designed by Winfred Spenceley and is a beautiful example of his art. The next plate was that given by Mrs. F. C. Clark for the Clark Library and was designed by Frederick Spenceley, brother of Winfred Spenceley. About this time Professor Siebert secured in Boston an engraved plate to mark the books in the Siebert Library.

The gift of the Library of Prosper Wetmore brought with it an interesting plate, the work of Amos Doolittle. To this plate was attached a panel designed by Professor T. E. French, of this University, bearing the words "A gift to the Ohio State University."

It was not until the Class of '90 came to its twenty-fifth anniversary that a bookplate was secured for the Library as a whole. This is known as the Class of '90 bookplate and was designed by Professor T. E. French. This bookplate received the prize at the exhibit of the American Bookplate Society held in 1916 as being the best plate designed in 1915. Since that time Professor French has designed three plates for the University Library, one for the Coleman Medical Library, a new plate for the Siebert Library, and a very remarkable one just secured, which is to be put in all presented books other than those belonging to special collections. This last plate has received the first prize in the bookplate exhibition of this year.

An exhibit of these bookplates is to be given in the University Library. There will also be included all of the labels which have been used by the University, to mark its books, going back to the earliest date. This exhibit will be in the Mantel Room of the Library on the second floor and may be of interest to the members of the Faculty.

The system of inter-library loans is well understood by this Faculty and many of the professors make use of it. During the past year the University Library has borrowed from the American Geographical Society, University of Chicago, Columbia University, Cornell University, Dayton Public Library, Harvard College, John Hopkins University, University of



Illinois; Library of Congress, Massachusetts State Library, University of Michigan, Oberlin College, Pennsylvania State Library, University of Pennsylvania, Smithsonian Institution, U. S. Department of Agriculture, U. S. Geological Survey, U. S. Surgeon General's Office, and the University of Wisconsin.

The Library has lent to the Camp Library, Camp Sherman; Chillicothe Public Library, University of Cincinnati, Circleville Public Library, University of Colorado, Dayton Engineering Laboratories, Dayton Public Library, Defiance College, Denison University, Earlham College; McCook Field Library, Dayton, Ohio; Marietta College, Muskingum College, Ohio Agricultural Experiment Station, West Virginia University, Western Reserve University, and Wooster College.

The fact that we are of service to so many Ohio college libraries is a matter of gratification.

Respectfully submitted,

OLIVE JONES,  
*Secretary.*

## REPORT OF THE DIRECTOR OF STUDENT HEALTH SERVICE

*President W. O. THOMPSON, The Ohio State University.*

DEAR SIR:—I have the honor to submit the following report of the Student Health Service for the college year ending June 30, 1919.

This has been a very busy year for this Department due to the extra medical work of the Student Army Training Corps and to the influenza epidemic. The general health of the student body during the first three weeks of the college year was excellent and we had hopes that we might escape the influenza epidemic which was raging in various parts of the country. Early in the year precautionary measures were taken to maintain the resistive powers of the student as high as possible. Antiseptic sprays and gargles were advised and students were urged to report to this Department for every trivial ailment. While these prophylactic measures did not entirely accomplish the desired results, they no doubt did help to reduce the virulency of the disease in a number of cases.

Ten days after the opening of the University the War Department appointed eight local physicians as contract surgeons and detailed one army surgeon from the Medical Corps to take charge of this staff. These men had charge of the physical welfare and medical treatment of the Student Training Corps. Orders were at once issued to complete the medical examinations as soon as possible. On October 13, in the midst of these examinations, the influenza epidemic invaded the student body. Conferences were immediately held by the Acting President of this University and the Director of the Student Health Service with the executive officers of the City and State Boards of Health, and the Medical Staff of the Student Army Training Corps. It was decided to close the University during the period of the epidemic.

As soon as the University was closed all efforts of this Department and those of the Medical Staff were concentrated upon stamping out the epidemic. The Department was made a clearing house for all sickness on the campus. The regiment was put under a limited quarantine and a systematic periodical inspection of all housing quarters on the campus was established. An earnest effort was made to maintain all buildings and equipment in the best possible hygienic condition. At first sign of sickness the student was sent to this Department. Here he was given proper advice or medical treatment and then returned "in quarters", or if suspicious, he was isolated in temporary quarters or sent to the hospital as the case required.

In our efforts to complete the medical examinations as per orders, little attention was given to preparing the Barracks Hospital with necessary supplies and equipment, so that when the epidemic reached us in force our hospital facilities were completely overwhelmed for several days and it was found necessary to provide additional quarters. The east wing of the



Aviation Barracks was then converted into Hospital Annex No. 1, and a few days later the northeast wing was added as Annex No. 2 for convalescent cases.

These were rather trying times for all of us as none of the staff (not even the Medical Corps Surgeon) were acquainted with the thousand and one details required by the Government in treating sickness under military rules and regulations. However, with the aid and cooperation of the Department of Home Economics, The University Homeopathic Hospital, The Ohio Union Management, the women of the Faculty, the local Red Cross, and other willing volunteers, we were able to furnish efficient service and emerged from the situation with a remarkably low mortality.

The physicians in charge of the Student Army Training Corps work were Drs. I. R. LeSage, 1st Lieut.; M. C., John A. Burgoyne, who succeeded Dr. LeSage and took charge of the Hospital, November 13th. (The Director of the Department had temporary charge of the Hospital from November 4th to 13th), Claude A. Burrett, John L. Gordon, J. A. Ferree, C. T. Okey, F. M. Stanton, J. A. VanFossen, and H. Shindle Wingert.

During the early part of the second semester there was a decided improvement in the general health of the student body and for the last six weeks there have been very few cases of serious illness.

#### NUMBER OF STUDENTS TREATED 1918-1919

##### 2572 Students were treated as follows:

1st Semester.....	1503
2nd Semester.....	1069
Total.....	2572
Duplicates, Students treated both 1st and 2nd Semesters .....	403
Total Individual Students.....	2169

##### 5350 Office Calls:

1st Semester.....	3167
2nd Semester.....	2183
Total .....	5350

The above figures do not include the visits to this Department for Student Army Training Corps Medical Examinations, Vaccinations, etc.

A large number of students were treated for more than one ailment and quite a few were treated more than once for the same ailment.

##### Average number of office calls daily:

1st Semester.....	38
2nd Semester.....	27

##### 440 patients sent to Hospital (First Semester-S. A. T. C.)

Deaths in Hospital.....	
Pneumonia following Influenza.....	6
Nephritis " ".....	1
Cerebral Hemorrhage.....	1
Total .....	8

## ANNUAL REPORT

## REPORT BY CLASSES 1918-1919

1st Semester		2nd Semester	
Freshmen .....	1020	Freshmen .....	504
Sophomore .....	312	Sophomore .....	331
Junior .....	82	Junior .....	102
Senior .....	15	Senior .....	76
Miscellaneous .....	74	Employees, Graduates, etc. ....	56
Total .....	1503	Total .....	1069

## REPORT BY COLLEGES

1st Sem.		2nd Sem.	
Engineering .....	573	Arts .....	430
Arts .....	544	Engineering .....	380
Agriculture .....	164	Agriculture .....	148
Veterinary .....	40	Education .....	48
Education .....	40	Veterinary .....	30
Dental .....	29	Commerce and Journalism .....	25
Medical .....	17	Dental .....	12
1st Sem.		2nd Sem.	
Pharmacy .....	12	Pharmacy .....	12
Commerce and Journalism .....	10	Employees, Military &	
Employees, Military &		Miscellaneous .....	56
Miscellaneous .....	74	Total .....	1069
Total .....	1503		

Respectfully submitted,

H. SHINDLE WINGERT, M. D.,  
*Director Student Health Service.*



REPORT OF THE  
DEPARTMENT OF PHYSICAL CULTURE

*To the President and Board of Trustees Ohio State University:*

Herewith is submitted a brief report for the Department of Physical Education.

The Department activities includes the following:

- I Required work in Physical Education.
  - a. Men's Division.
  - b. Women's Division.
- II Elective Courses in Physical Education.
- III Intramural Athletic Activities
- IV Intercollegiate Athletic Activities

Owing to the fact that the gymnasium facilities were used for army purposes first by the School of Military Aeronautics and later by the Student Army Training Corps much of the work was suspended for the year and a half previous to the semester just closed. The past semester has permitted the resumption of activities in a fairly normal way.

I—a The usual amount of required work for men—two periods per week—has been conducted. There were 723 men enrolled for the past semester. The usual careful physical examination was made of all men at the beginning of the work. The Department had assistance from the College of Medicine and the Homeopathic College in making such examination. Urinalysis of all men were made in Dr. Spohr's Laboratory at the Medical College.

The character of the work was changed slightly to conform to what was found to be most desirable in the Army Training Camps. This meant a larger measure of games and more time devoted to teaching of boxing. Each student has been required to pass a swimming examination as heretofore.

In cooperation with the Military Department two lectures were given in the University Chapel. Dr. Phillip Reel gave a lecture on First Aid in Emergencies and the Film "Fit to Fight" was shown to both Freshmen and Sophomores. This was the only time devoted specifically to Hygiene the frequent brief talks on health habits were given by instructors at the regular gymnasium class periods.

b. The women's office for the first semester was in the Home Economics Building. The girls were examined—Dr. Gertrude Transeau assisting. Hygiene lectures were given and outdoor sports permitted where possible. Six hundred and fifty-two girls were enrolled.

The second semester permitted the re-establishment of the women in the old gymnasium quarters and the regular work was resumed. Four periods per week for both first and second year students were given to six hundred and thirty-five women.

In spite of the crowded condition this work is popular and is efficiently conducted.

II. Owing to the lack of quarters and the general unsettled condition the normal elective work has been suspended. Those desiring such work have been directed to the summer session. There are at this time sixty-eight persons enrolled in the Summer Physical Education courses.

III. Intramural activities were hampered and somewhat reduced. The Intramural basket ball and baseball leagues were conducted as heretofore. The Indoor Intramural Festival of athletic games conducted in the gymnasium late in March was one of the most successful ever held. A good outdoor meet was held in April. A tennis tournament was held as usual.

IV. In Intercollegiate athletics the policy was followed of keeping alive and running all forms of activity without stressing by advertising or heavy training. Large squads were in competition and received the benefit of such training. The unfavorable conditions produced by the war generally and by the S. A. T. C. administration particularly made the athletic year unsuccessful financially. A small balance however remains of the surplus accumulated from 1917. All members of the S. A. T. C. were admitted free to all football games. At no other institution, so far as I have been able to learn, was such a generous policy adopted toward the army.

In June, 1917, there was submitted a comprehensive report on the conditions and needs in the Physical Education Department. The report is substantially as correct and as pertinent at this time as when it was presented. Conditions have not changed in the interim except to make more imperative the conclusions reached at that time.

A proposal is now before the University Faculty to adopt for both men and women;

1. A course of Hygiene lectures;
2. A requirement of three periods per week in physical activity for the first two years.
3. The above to carry positive academic credit.

It is necessary for these proposals to obtain in order that physical education may have a minimum chance to produce results that are almost universally recognized as essential to a sound educational policy. Results that are essential to the development and conservation of human resources. No other single educational issue equals this in importance. Even tho the great war is over the call for health, for strength, for endurance is as real tho it may not be so insistent.

England and France are definitely reorganizing educational systems and making extensive provision for physical education.

We must assume physical activity as the fundamental based on physical examination. There must be wholesome physical environment, the de-



velopment of health habits and sound instruction in hygiene or knowledge of health.

It will avail little to study what has been done at other institutions. A number have done more than we but none have done their full duty.

"Universal physical education is neither a substitute for nor an adjunct of military training. It is a program for producing men and women physically fit for whatever may be the responsibilities of citizenship. This end is to be accomplished by physically educating boys and girls during the period of immaturity, and by encouraging in adults those physical activities essential to the continuation of health and bodily vigor."

As the greatest educational force in the State this University should get strongly back of the movement for compulsory physical training in the public schools. We should at the same time put our program right by adopting a sound policy of required physical education and with this as a basis develop a good course of training of teachers in the field of Physical Education.

Respectfully submitted,

L. W. ST. JOHN.

## SUMMARY OF THE FINANCIAL STATEMENT FOR THE YEAR ENDING JUNE 30, 1919

(A complete detailed financial report for the fiscal year ended June 30, 1919, is printed in separate forms and may be had upon application.)

COLUMBUS, OHIO

The financial statement presented herein is that part of the Annual Report of the Board of Trustees to the Governor of Ohio, which shows the financial condition of the Ohio State University for the fiscal year ended June 30, 1919.

CARL E. STEEB

*Secretary.*

### CONSOLIDATED STATEMENT

#### INCOME AND EXPEDITURES

Cash balance July 1, 1918 .....		\$ 52,261 01
Total Income for year, <i>Schedule B</i> .....	\$ 2,248,627 70	
Less funds paid to the State Treasurer and not available for the University, <i>Schedule B</i> .....	141,900 00	
Total available income <i>Schedule B</i> .....	2,106,727 70	
Total expenditures for year, <i>Schedule C</i> .....	2,052,084 04	
Balance for year .....		54,643 66
Cash Balance June 30, 1919, <i>Schedule D</i> .....	\$	106,904 67

#### ASSETS AND LIABILITIES

Current Assets June 30, 1919, <i>Schedules D and F</i> .....	\$ 787,318 40	
Investment assets June 30, 1919 .....	1,045,321 29	
Educational Plant— Value of lands, buildings and equipment <i>Schedules D and F</i> .....	7,007,488 96	
Current liabilities at end of year, <i>Schedule F</i> .....		528,351 60
Investment liabilities at end of year, <i>Schedule F</i> .....		1,045,321 29
Capital Account, <i>Schedule F</i> .....		1,266,455 76
	\$ 8,840,126 65	\$ 8,840,128 65

#### INCOME

*Schedule B*

#### INCOME FROM STUDENTS:

Tuition, incidental and laboratory fees, <i>Schedule B-1</i> .....	\$ 120,966.31	
Special fees, degrees, etc. <i>Schedule B-1</i> .....	3,019.50	
Supplies, chemicals, laboratory material (included in... Warehouse) .....		
Shop Deposits .....	2,640.80	
Locker Fees .....	1,732.69	
Dormitories—Oxley Hall, <i>Schedule J</i> .....	25,548.89	\$ 153,908 19



## INCOME FROM INVESTMENTS OF:

Endowments for general purposes (see below) .....	
Endowments for designated purposes (see below) .....	
Other investments.....	

## INCOME FROM GRANTS BY NATION, STATE AND SPECIAL TAXATION:

## State Aid—

Income from endowments for general purposes .....		
<i>Schedule G</i> .....	13,045	88
Income from endowments for designated purposes..		
<i>Schedule H</i> .....	4,193	53
Appropriation by State Legislature .....	1,587,229	43
		1,604,468 84

## Federal Aid—

Income from Land Grant Act of July 2, 1862 (paid by State) <i>Schedule G</i> .....	31,450	59
Income from other Land Grants-Virginia Military Lands (paid by state) <i>Schedule G</i> .....	13,119	75
Additional Aid Acts of Aug. 30, 1890 and March 4, 1907	50,000	00
For Agricultural Extension work (Act of Congress May 8, 1914) .....	99,281	81
		193,852 15

## GIFTS FOR CURRENT EXPENSES:

For designated purposes, <i>Schedule B-3</i> .....	6,500	00
		6,500 00

## INCOME FROM OTHER SOURCES:

Architecture—Photo .....	930	40
Boys' and Girls' Club Work .....		
Farmers' Week Trip.....	2,517	08
Funds from Counties .....	1,650	00
County Agents' funds from counties .....	65,833	89
Dental Clinic .....	5,330	38
Farmers' Institute Funds from counties.....	14,175	00
Homeopathic Clinic.....	22,571	21
Journalism—Printing .....	28,844	90
Laundry .....	1,288	80
Miscellaneous Sales .....	2,593	97
Ohio Biological Survey.....	84	25
Rent—Building and Grounds .....	270	00
Sales—Produce and Dairy Products.....	10,564	73
State Board of Education (Smith Hughes) .....	14,252	74
Veterinary Clinic .....	5,799	67
Virginia Military Lands .....	112	00
		176,813 02

## TEMPORARY ACCOUNTS:

Warehouse .....	112,028	18
Commutation of Uniforms .....	1,057	32
		113,085 50
Total income, <i>Schedule A</i> .....		\$ 2,248,627 70
Less funds paid to State Treasurer and not available....		
to University, <i>Schedule A and B-2</i> ..		141,900 00
Total available income, <i>Schedule A</i> .....		\$ 2,106,727 70

## CLASSIFIED EXPENDITURES

Schedule C

## EXPENSES:

Salaries.....	\$1,200,164	70
Advertising .....	1,054	61
Boys' and Girls' Club Work .....	3,303	71
Coal and Gas .....	76,158	55
Dormitory Supplies.....	10,502	13
*Employees and extra Labor.....	73,911	69
Feed for Live Stock.....	18,831	76
Field Work—Agricultural Extension—including County Agts .....	73,521	27
Freight and Cartage .....	4,926	66
History of the University.....	7,500	00
Hospitals—Use of the wards and heating .....	10,162	50
Incidentals .....	17,622	99
Laboratory and educational supplies.....	37,093	87
Materials and general supplies.....	103,351	96
Printing .....	21,793	40
Refunds—deposits on room.....	415	25
Repairs to equipment.....	4,647	26
Scholarship and student aid.....	2,188	75
Stationery and office supplies—including postage....	26,828	48
Telephone and telegraph.....	8,991	57
Traveling expense.....	3,524	34
Trustees' expense.....	402	70
Virginia Military Lands.....	1,505	99
Water .....	9,651	33
Total Expenses, Schedules C-1 and C-2.....	\$	1,720,055 47

## EQUIPMENT:

Apparatus .....	12,468	16
Books.....	21,459	72
Collections .....	205	00
Furniture and fixtures .....	8,852	74
Horses, wagons and harness.....	675	25
Live stock.....	3,676	00
Machinery, tools and implements .....	14,980	96
Total Equipment, Schedules C-1 and C-3.....		62,317 83

LANDS .....	30,673	77
NEW BUILDINGS.....	107,413	41
ADDITIONS TO BUILDINGS.....	13,024	91
GRADING, PLANTING, ROADS, WALKS, ETC.....	7	32
UNCOMPLETED EQUIPMENT AND IMPROVEMENT ACCOUNTS	5,911	08

Total Schedules C-1 and C-4..... 157,030 49

## TEMPORARY ACCOUNTS:

Warehouse.....	111,622	93
Commutation of Uniforms .....	1,057	32

Total Expenditures, Schedules A and C-1 \$ 2,052,084 04

\*Amount paid to students



## BALANCE SHEET JUNE 30, 1919

Schedule F

## ASSETS

## CURRENT ASSETS:

Cash in bank and on hand for current expenses...	\$ 106,904 67	
Cash in bank for Aviation.....	3,042 76	
Cash in bank for Students' Army Training Corps..	8,798 70	
Accounts Receivable.....	454 00	
Auditor of State, Special Appropriations, Details Schedule I.....	528,351 60	
Store Room (Supplies per inventory).....	139,766 67	
Total Current Assets		\$ 787,318 40

## INVESTMENTS ASSETS:

Securities, State Treasurer (irreducible debt of State) .....	1,044,321 29	
U. S. Government Bond Ohio State University Treasurer.....	1,000 00	
Total Investment Assets .....		\$ 1,045,321 29

## EDUCATIONAL PLANT: LANDS, BUILDINGS AND EQUIPMENT

Balance at beginning of year...	6,777,344 37	
Additions during year.....	230,144 59	
Total Educational Plant.....		\$ 7,000,488 96
Total Assets .....		\$ 8,840,128 65

## LIABILITIES

## CURRENT LIABILITIES:

Special State Appropriations .....	528,351 60	
Total current Liabilities .....		528,351 60

## ENDOWMENT FUNDS:

Endowment Capital Accounts		
Funds for General Purposes, Invested.....	966,896 67	
Funds for Designated Purposes, Invested.....	78,424 62	
Total Liabilities, Endowment Funds .....		1,045,321 29

## EDUCATIONAL PLANT, DEBT AND CAPITAL ACCOUNT:

Bonds, Mortgages against Plant		
Capital Account.....	7,266,455 76	
Total Educational Plant.....		7,266,455 76
Total liabilities .....		\$ 8,840,128 65

Schedule H-2

## GIFTS FOR ENDOWMENT PURPOSES

The following item was turned directly into the State Treasury to the credit of the Investment Fund of the University:

Frank A. Vanderlip, New York City.....	\$ 1,500 .00
A fund established December 13, 1918 by a gift of \$1500.00 to be set aside as a permanent endowment, the income to be used for the purchase of books on education. A suitable mark is to be placed in each book of this collection indicating that it it belongs to the Frank A. Vanberlip Library on Education.	

The following item is held by the Ohio State University Treasurer:

Robert F. Wolfe, Columbus, Ohio..... \$ 1,000 00  
 July 31, 1918, Mr. Wolfe presented to the University a United States Government Bond for \$1,000.00 to be invested in the State Treasury at maturity. The interest to be deposited in the State Treasury and used to purchase a suitable metal as an award to the student in Journalism presenting the best paper on some phase of the preparation, production or distribution of a newspaper.

*Schedule B-3*

## GIFTS FOR GENERAL AND DESIGNATED PURPOSES

The following items are turned into the State Treasury to the credit of Rotary funds for use by the University.

<i>Name and Description</i>	<i>Amount</i>
F. P. Beaver, Dayton, Ohio.....	\$5,000.00
A gift on February 5, 1919, for the benefit of the College of Homeopathic Medicine on condition that \$2,000.00 additional be raised. The express object of the gift is to help provide the Homeopathic Hospital with a building for research and experimental work.	
E. I. Du Pont de Nemours and Company.....	1,500.00
A gift on September 6, 1919, for the support of two fellowships in the Department of Chemistry.	
Total Schedule B.....	\$6,500.00

## APPENDIX I

### BOARD OF TRUSTEES 1918-1919

	<i>Date Original Appointment</i>	<i>Term Expires</i>
BENJAMIN F. McCANN, Dayton.....	May 13, 1913	May 13, 1920
JOHN F. CUNNINGHAM, Cleveland.....	Dec. 22, 1914	May 13, 1921
JOHN KAISER, Marietta.....	Feb. 25, 1915	May 13, 1922
C. F. KETTERING, Dayton .....	Mar. 21, 1917	May 13, 1923
GUY W. MALLON, Cincinnati.....	May 11, 1903	May 13, 1924
O. E. BRADFUTE, Cedarville....	Aug. 21, 1905	May 13, 1925
*FRANK E. POMERENE, Coshocton.....	May 15, 1905	May 13, 1926

### OFFICERS OF THE BOARD

BENJAMIN F. McCANN.....	Chairman
JOHN F. CUNNINGHAM.....	Vice-Chairman
CARL E. STEEB.....	Secretary and Business Manager
JULIUS F. STONE.....	Treasurer

\*Mr. Pomerene died June 1, 1919



## APPENDIX II

## ADMINISTRATIVE OFFICERS

For year ending June 30, 1919

- WILLIAM OXLEY THOMPSON, D. D., LL. D. . . . . *President*  
Office, University Hall, 99312; N. 476  
Residence—University Grounds, 2056
- CARL E. STEEB, B. Ph. . . . . *Secretary of the Board of Trustees and Business Manager*  
Office—University Hall (East End), 99332; N. 32  
Residence—1956 Iuka Ave., 5835
- EDITH D. COCKINS, B. A. . . . . *Registrar, University Editor and Secretary of the University Faculty*  
Office—101 University Hall, 99314  
Residence—1348 Neil Ave., 16310
- LESTER E. WOLFE, M. A. . . . . *Secretary of the Entrance Board*  
Office—107 University Hall, 99353; N. 939  
Residence—1491 Neil Ave., 16507
- KATHERINE A. VOGEL . . . . . *Executive Clerk*  
Office—University Hall, 99312; N. 476  
Residence—209 S. Monroe Ave., E2356
- BESS C. WATTERS. . . . . *Cashier*  
Office—University Hall, 99332; N. 32  
Residence—1851 N. Fourth St., N. 2108
- Mrs. GEORGE LEROY CONVERSE . . . . . *Acting Dean of Women*  
Office—201 Home Economics Building, 99367  
Residence—1463 Neil Ave., 16522
- JOSEPHINE MATTHEWS B. Sc. (Dom. Sci.) . . . . . *House Superintendent, Oxley Hall*  
Office and Residence—Oxley Hall, 99352; N. 4146
- EDWARD S. DRAKE . . . . . *Manager of Ohio Union*  
Office and Residence—Ohio Union, 99357; N. 1002  
Manager's private phone, 99359-2R
- WILLIAM C. McCracken . . . . . *Superintendent of Operation Maintenance*  
Office—Old Mechanical Laboratory, 99311; N. 718  
Residence—8 West Woodruff Ave. 11823
- RAY M. ROYER . . . . . *Purchasing Agent*  
Office—University Hall (East End), 99374; N. 3222  
Residence—276 Kelso Road, N. 7861

## APPENDIX III

Which shows the number of professors, officers, teachers and other employees, and the position and compensation of each, as required by Section 7947 of an Act passed May 29, 1915.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
William Oxley Thompson.....	President .....	\$10,000.00
Alfred Vivian .....	Dean of the College of Agriculture.....	4,800.00
J. F. Lyman .....	Professor of Agricultural Chemistry...	3,000.00
Firman E. Bear .....	Professor of Agricultural Chemistry...	3,000.00
*T. G. Phillips .....	Assistant Professor of Agricultural Chemistry .....	1,080.00
George M. McClure .....	Instructor in Agricultural Chemistry..	1,680.00
Guy Conrey .....	Instructor in Agricultural Chemistry..	1,200.00
A. C. Workman .....	Instructor in Agricultural Chemistry..	1,200.00
Rachel Edgar .....	Assistant in Agricultural Chemistry...	600.00
Henry B. Froning .....	Instructor in Agricultural Chemistry..	1,600.00
D. E. Haley.....	Instructor in Agricultural Chemistry..	1,000.00
True G. Watson.....	Instructor in Agricultural Chemistry..	1,350.00
*James R. Shepard .....	Assistant in Agricultural Chemistry...	400.00
W. F. Stewart .....	Professor in Agricultural Education...	2,250.00
H. C. Ramsower .....	Professor of Agricultural Engineering.	2,750.00
F. W. Ives .....	Professor of Agricultural Engineering.	2,683.33
G. W. McCuen .....	Assistant Professor of Agricultural Engineering .....	2,100.00
P. B. Potter .....	Instructor in Agricultural Engineering.	2,350.00
J. T. Miller .....	Mechanic in Agricultural Engineering..	1,000.00
Charles S. Plumb .....	Professor of Animal Husbandry.....	3,500.00
Donald J. Kays .....	Professor of Animal Husbandry.....	2,400.00
Freeman S. Jacoby .....	Professor of Animal Husbandry.....	2,400.00
Joel S. Coffey .....	Professor of Animal Husbandry.....	2,250.00
C. T. Conklin .....	Instructor in Animal Husbandry.....	1,600.00
David M. Fyffe .....	Supt. of Live Stock .....	1,500.00
J. H. Schaffner .....	Professor of Botany .....	2,750.00
E. N. Transeau .....	Professor of Botany .....	3,000.00
R. F. Griggs .....	Assistant Professor of Botany .....	1,750.00
*W. G. Stover .....	Assistant Professor of Botany .....	880.00
E. C. Sampson .....	Instructor in Botany .....	1,800.00
Freda Detmers .....	Instructor in Botany .....	1,500.00
A. E. Waller .....	Instructor in Botany .....	1,200.00
*P. B. Sears .....	Instructor in Botany .....	840.00
John S. Crabb .....	Florist .....	1,000.00
Lois Lampe .....	Student Assistant in Botany .....	200.00
Eunice O. Root .....	Student Assistant in Botany .....	200.00
Mary E. Wurdock .....	Student Assistant in Botany .....	200.00
Gladys H. Grimm .....	Student Assistant in Botany .....	200.00
*Robert J. Simm .....	Assistant in Botany .....	400.00
*Jasper D. Sayre .....	Research Assistant in Botany.....	700.00
*Charles N. McIntyre .....	Assistant in Botany .....	200.00
Oscar Erf .....	Professor in Dairying .....	3,000.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
R. B. Stoltz .....	Assistant Professor in Dairying .....	\$2,400.00
C. B. Irwin .....	Instructor in Dairy Manufacturing....	1,200.00
*C. Walter Holdson .....	Instructor in Dairying .....	750.00
J. B. Park .....	Professor of Farm Crops .....	2,750.00
C. J. Willard .....	Assistant Professor of Farm Crops....	1,800.00
*L. E. Thatcher .....	Instructor in Farm Crops .....	399.99
*Henry W. Schuer .....	Instructor in Farm Crops .....	1,049.94
B. E. Stahl .....	Assistant in Farm Crops .....	560.00
M. L. Jordan .....	Student Assistant in Agricultural En- gineering .....	40.00
L. N. Geiger .....	Student Assistant in Agricultural En- gineering .....	40.00
*Dexter N. Lutz .....	Assistant in Farm Crops .....	500.00
*Sanford Jackson Green ....	Assistant in Farm Crops .....	240.00
Edna N. White .....	Professor in Home Economics .....	2,250.00
Anna Van Meter .....	Professor in Home Economics .....	2,500.00
*Maude C. Hathaway .....	Assistant Professor in Home Economics	850.00
Grace G. Walker .....	Instructor in Home Economics .....	1,800.00
Marion L. Tucker .....	Instructor in Home Economics .....	1,500.00
Maude G. Adams .....	Supervisor Practice Teaching .....	1,600.00
Lila Skinner .....	Instructor in Home Economics .....	1,500.00
*Grace Linder .....	Instructor in Home Economics .....	850.00
Glenna Hesse .....	Instructor in Home Economics .....	1,200.00
*Marie Freeman .....	Instructor in Home Economics .....	1,440.00
*Ellen Miller .....	Instructor in Home Economics .....	780.00
Anna Junkerman .....	Assistant in Home Economics .....	800.00
Bertha Hayes .....	Assistant in Home Economics .....	750.00
Marie De Vere .....	Assistant in Home Economics .....	750.00
Elsie Steiger .....	Assistant in Home Economics .....	600.00
*Josephine Hamblin .....	Assistant in Home Economics .....	270.00
Edna Elliott .....	Maid—Department of Home Economics	600.00
Wendell Paddock .....	Professor of Horticulture and Forestry	3,250.00
L. M. Montgomery .....	Professor of Horticulture and Forestry	2,500.00
*H. E. Jacob .....	Assistant in Horticulture and Forestry	900.00
P. E. Embler .....	Assistant in Horticulture and Forestry	1,200.00
N. W. Scherer .....	Assistant Professor of Horticulture and Forestry .....	1,800.00
A. C. Hottes .....	Assistant Professor of Horticulture and Forestry .....	2,000.00
J. R. Shank .....	Assistant in Horticulture and Forestry	990.00
Frederick G. Charles .....	Instructor in Horticulture and Forestry	1,166.68
Herbert G. Osborn .....	Director—Lake Laboratory .....	
F. H. Kreeker .....	Acting Director—Lake Laboratory ...	350.00
S. R. Williams .....	Instructor—Lake Laboratory .....	250.00
M. E. Stickney .....	Instructor—Lake Laboratory .....	250.00
Z. P. Metcalf .....	Instructor—Lake Laboratory .....	250.00
J. I. Falconer .....	Professor of Rural Economics .....	2,500.00
H. E. Erdman .....	Assistant Professor of Rural Economics	2,000.00
*L. O. Lantis .....	Instructor in Rural Economics .....	1,000.00
H. E. Erdman .....	Instructor in Rural Economics (July and August) .....	360.00
Elmer J. Helbig .....	Instructor—Winter Course .....	300.00
John Lengacher .....	Instructor—Winter Course .....	300.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Archie Bishop .....	Instructor—Winter Course.....	\$ 300.00
Raymond C. Osburn .....	Professor in Zoology and Entomology..	3,250.00
Herbert Osborn .....	Research Professor of Zoology and Entomology .....	3,500.00
James S. Hine .....	Associate Professor of Zoology and Entomology .....	2,000.00
Wm. M. Barrows .....	Assistant Professor of Zoology and Entomology .....	2,000.00
C. L. Metcalf .....	Assistant Professor of Zoology and Entomology .....	1,500.00
F. H. Kreckler .....	Assistant Professor of Zoology.....	2,000.00
W. J. Kostir .....	Instructor in Zoology and Entomology..	1,700.00
Edna Mosher .....	Instructor in Zoology and Entomology..	1,500.00
Caliborne H. Young .....	Graduate Assistant in Zoology and Entomology .....	300.00
Walter J. Kaatz .....	Graduate Assistant in Zoology and Entomology .....	300.00
Robert K. Fletcher .....	Assistant in Zoology and Entomology...	600.00
Walter V. Balduf .....	Graduate Assistant in Zoology and Entomology .....	300.00
*William Balduf .....	Part Time Assistant in Zoology and Entomology .....	270.00
J. V. Denney .....	Dean of the College of Arts, Philosophy and Science .....	4,000.00
*Louis Foley .....	Secretary to the Dean of the College of Arts, Philosophy and Science .....	250.00
H. C. Hockett .....	Professor of American History .....	2,750.00
A. M. Schlesinger .....	Professor of American History .....	2,500.00
G. A. Wood .....	Instructor in American History .....	1,500.00
Carl Wittke .....	Instructor in American History .....	1,500.00
J. R. Taylor .....	Professor of English .....	3,000.00
George H. McKnight .....	Professor of English .....	3,000.00
Wm. L. Graves .....	Professor of English .....	2,500.00
L. A. Cooper .....	Assistant Professor of English .....	2,250.00
E. L. Beck .....	Assistant Professor of English .....	2,250.00
V. A. Ketcham .....	Professor of English .....	2,500.00
Milton Percival .....	Assistant Professor of English .....	2,000.00
J. Forest Craig .....	Instructor in English .....	1,500.00
*C. G. Dishong .....	Instructor in English .....	1,200.00
Earl W. Wiley .....	Instructor in English .....	1,500.00
Louis Foley .....	Instructor in English .....	1,200.00
W. H. Gysan .....	Instructor in English .....	1,000.00
Gertrude L. Robinson .....	Instructor in English .....	1,000.00
Verona M. Dollinger .....	Instructor in English .....	1,000.00
Edith Sniffin .....	Assistant in English .....	1,000.00
*Erwin A. Esper .....	Assistant in English .....	525.00
*Marjorie McSears .....	Acting Instructor in English .....	300.00
W. H. Siebert .....	Professor of European History.....	3,500.00
E. H. McNeal .....	Professor of European History.....	2,750.00
Clarence Perkins .....	Professor of European History.....	2,250.00
Wilmer C. Harris .....	Assistant Professor of European History .....	1,080.00
John R. Knipfling .....	Instructor in European History .....	1,500.00
George A. Washburne .....	Acting Assistant Professor European History .....	1,800.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
J. A. Bownocker .....	Professor of Geology .....	\$2,750.00
Thos. McD. Hills .....	Assistant Professor of Geology .....	2,250.00
W. M. Tucker .....	Assistant Professor of Geology .....	2,250.00
Helen Morningstar .....	Instructor in Geology .....	1,200.00
Morris M. Leighton .....	Professor in Geology .....	2,500.00
Arthur Bevan .....	Instructor in Geology .....	1,800.00
M. B. Evans .....	Professor of German .....	3,500.00
May Thomas .....	Assistant Professor of German .....	1,500.00
Sarah Barrows .....	Assistant Professor of German .....	1,500.00
Ludwig Lewisohn .....	Assistant Professor of German .....	750.00
Robert C. Busey .....	Assistant Professor of German .....	1,800.00
*Theo. F. Kotz .....	Instructor in German .....	325.00
G. M. Bolling .....	Professor of Greek .....	3,500.00
S. C. Derby .....	Professor of Latin .....	2,750.00
A. W. Hodgman .....	Professor of Latin .....	2,750.00
W. S. Eldon .....	Professor of Latin .....	2,750.00
James E. Dunlap .....	Instructor in Latin .....	1,600.00
J. A. Leighton .....	Professor of Philosophy .....	3,500.00
*A. E. Davies .....	Professor of Philosophy .....	1,500.00
R. D. Williams .....	Instructor in Philosophy .....	1,800.00
A. E. Avey .....	Acting Assistant Professor of Philosophy .....	1,800.00
*Henry R. Spencer .....	Professor of Political Science .....	1,650.00
E. A. Cottrell .....	Professor of Political Science .....	2,750.00
Janeva C. Trotter .....	Graduate Assistant in Political Science .....	300.00
Francis W. Coker .....	Professor of Political Science .....	2,750.00
B. L. Bowen .....	Professor of Romance Languages .....	3,500.00
E. S. Ingraham .....	Professor of Romance Languages .....	2,750.00
T. E. Hamilton .....	Assistant Professor of Romance Languages .....	1,800.00
G. S. Chapin .....	Assistant Professor of Romance Languages .....	1,800.00
S. C. Guigou .....	Assistant Professor of Romance Languages .....	1,800.00
Santiago Gutierrez .....	Instructor in Romance Languages .....	1,500.00
Emma Stubner .....	Assistant in Romance Languages .....	500.00
Ernest S. Berthemy .....	Instructor in Romance Languages .....	1,200.00
Henri Talliart .....	Instructor in Romance Languages .....	1,500.00
E. F. Hacker .....	Assistant Professor of Romance Languages .....	1,800.00
Bertha P. Arthur .....	Instructor in Romance Languages .....	1,200.00
Ralph C. Williams .....	Instructor in Romance Languages .....	1,400.00
Gildo Masso .....	Assistant in Romance Languages .....	500.00
Audra R. Bickel .....	Graduate Assistant in Romance Languages .....	300.00
Florence Hier .....	Instructor in Romance Languages .....	1,500.00
Mrs. Della R. Maddox .....	Assistant in Romance Languages .....	500.00
*Edward H. Young .....	Instructor in Romance Languages .....	800.00
J. E. Hagerty .....	Dean of the College of Commerce and Journalism .....	4,000.00
M. B. Hammond .....	Professor of Economics and Sociology .....	3,500.00
C. C. Huntington .....	Professor of Economics and Sociology .....	2,750.00
C. O. Ruggles .....	Assistant Professor of Economics and Sociology .....	2,200.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Carl E. Parry .....	Professor of Economics and Sociology..	\$2,500.00
C. C. North .....	Professor of Economics and Sociology..	2,500.00
Mary Louise Mark .....	Assistant Professor of Economics and Sociology .....	1,800.00
R. D. McKenzie .....	Instructor in Economics and Sociology..	1,600.00
Harry E. Sheppard .....	Instructor in Economics and Sociology..	1,600.00
S. J. Coon .....	Instructor in Economics and Sociology..	1,600.00
D. R. Taft .....	Assistant Professor of Economics and Sociology .....	2,000.00
Walter Weidler .....	Instructor in Economics and Sociology..	1,800.00
W. F. Bloor .....	Assistant in Economics and Sociology..	1,200.00
H. E. Bice .....	Instructor in Economics and Sociology..	1,600.00
Harrison McJohnston .....	Instructor in Economics and Sociology..	1,380.00
*J. W. Eckelberry .....	Instructor in Economics and Sociology..	600.00
*George W. Eckelberry .....	Instructor in Economics and Sociology..	800.00
Joseph S. Myers .....	Professor of Journalism .....	4,000.00
Osman C. Hooper .....	Professor of Journalism .....	3,000.00
Paul C. Carty .....	Instructor .....	2,100.00
M. H. Hallett .....	Instructor .....	1,650.00
Albert M. Taylor .....	Instructor .....	1,345.66
William P. Dumont .....	Editor—Lantern .....	500.00
Jean Fitzgerald .....	Business Manager—Lantern .....	500.00
H. M. Semans .....	Dean of the College of Dentistry and Professor of Dentistry .....	4,000.00
H. V. Cottrell .....	Professor of Dentistry .....	1,300.00
Wm. C. Graham .....	Assistant Professor of Dentistry.....	900.00
R. B. Wiltberger .....	Assistant Professor of Dentistry.....	1,000.00
H. S. Shumway .....	Instructor in Dentistry .....	1,000.00
Clyde H. Hebble .....	Assistant Professor of Dentistry.....	1,300.00
C. W. Strosnider .....	Assistant Superintendent—Dentistry..	1,000.00
Ollie O. Mobberly .....	Superintendent Laboratories—Dentistry	1,800.00
Dick P. Snyder .....	Instructor in Dentistry .....	1,000.00
E. W. Martindale .....	Instructor in Dentistry .....	800.00
Irwin Bottenhorn .....	Instructor in Dentistry .....	800.00
Earl G. Jones .....	Instructor in Dentistry .....	600.00
Webster M. Baker .....	Student Assistant in Dentistry .....	100.00
George W. Knight .....	Dean of the College of Education.....	4,000.00
Charles F. Kelley .....	Professor of Art .....	2,750.00
Alice Robinson .....	Assistant Professor of Art .....	1,800.00
W. J. Norris .....	Instructor in Art .....	1,600.00
*E. O. Christensen .....	Instructor in Art .....	780.00
Margaret F. Smith .....	Instructor in Art .....	1,200.00
Mildred V. Talbot .....	Instructor in Art .....	1,200.00
L. F. Anderson .....	Professor of History and Philosophy of Education .....	3,250.00
Anthony Marino .....	Instructor in History and Philosophy of Education .....	1,100.00
Eldon L. Usry .....	Professor of Industrial Education ....	2,500.00
Robert E. Smith .....	Instructor in Industrial Education ....	1,200.00
J. L. Clifton .....	Professor of Principles and Practice of Education .....	2,750.00
George R. Twiss .....	Professor of Principles and Practice of Education (Second Semester) .....	1,500.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Frederick C. Landsittle	Assistant Professor of Principles and Practice of Education (1st Semester)	\$2,500.00
Rudolph Pintner	Professor of Psychology	2,750.00
A. P. Weiss	Professor of Psychology	2,500.00
*J. W. Bridges	Assistant Professor of Psychology	1,260.00
John E. Evans	Instructor in Psychology	1,800.00
Harry W. Crane	Assistant Professor of Psychology	1,900.00
Mabel E. Goudge	Assistant Professor of Psychology	1,800.00
Elmer Culler	Instructor in Psychology	1,500.00
Genevieve L. Coy	Instructor in Psychology	1,400.00
Jeanette C. Reamer	Assistant in Psychology	1,000.00
Ruth Miller	Laboratory Assistant in Psychology	400.00
A. Sophie Rogers	Instructor in Psychology	1,400.00
Florence Fitzgerald	Graduate Assistant in Psychology	300.00
Samuel W. Brown	Professor of School Administration	2,750.00
C. C. McCracken	Professor of School Administration	2,750.00
E. F. Coddington	Acting Dean of the College of Engineering	500.00
Lenora Glasgow	Secretary to Dean of the College of Engineering	1,000.00
*Joseph N. Bradford	Professor of Architecture	1,200.00
Chas. St. J. Chubb	Professor of Architecture	2,750.00
H. D. Smith	Professor of Architecture	2,750.00
F. H. Haskett	Instructor in Architecture	2,500.00
*W. C. Ronan	Instructor in Architecture	900.00
H. C. Lord	Professor of Astronomy	3,000.00
R. B. Tallman, et al	Student Assistant in Astronomy	313.00
*Samuel B. Folk	Assistant in Astronomy (Part Time)	866.67
Arthur S. Watts	Professor Ceramic Engineering	3,000.00
Carl B. Harrop	Assistant Professor of Ceramic Engineering	2,000.00
Hewitt Wilson	Assistant Professor of Ceramic Engineering	2,000.00
J. C. Lysatt	Technician—Ceramic Engineering	700.00
W. E. Henderson	Professor of Physical Chemistry	3,250.00
*W. L. Evans	Professor of Chemistry	2,100.00
J. R. Withrow	Professor of Chemistry	3,000.00
C. W. Foulk	Professor of Analytical Chemistry	2,750.00
C. E. Boord	Assistant Professor of Chemistry	2,250.00
Jesse E. Day	Assistant Professor of Chemistry	2,000.00
H. B. Adkin	Instructor in Chemistry	1,800.00
Marion G. Smith	Student Assistant in Chemistry	250.00
Marion Hollingsworth	Instructor in Chemistry	1,800.00
O. L. Hoover	Instructor in Chemistry	1,200.00
M. G. Mellon	Instructor in Chemistry	1,500.00
E. M. Starr	Instructor in Chemistry	1,200.00
F. C. Vilbrant	Instructor in Chemistry	1,500.00
Paul E. Marling	Instructor in Chemistry	1,200.00
Jacob Cornog	Assistant in Chemistry	700.00
C. D. Looker	Instructor in Chemistry	1,200.00
J. M. Ort	Assistant in Chemistry	700.00
Elizabeth Park	Assistant in Chemistry	700.00
W. H. Williams	Assistant in Chemistry	600.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
J. T. Robson .....	Student Assistant in Chemistry.....	\$ 300.00
James G. Ralston .....	Assistant in Chemistry .....	1,200.00
Alpha J. Will .....	Assistant in Chemistry .....	540.00
Jennie C. Fisher .....	Assistant in Chemistry .....	540.00
*Mary Hedges .....	Student Assistant in Chemistry .....	270.00
*Harvey S. Huston .....	Student Assistant in Chemistry .....	270.00
*Paul Stegeman .....	Graduate Assistant in Chemistry.....	150.00
*Merle Dundon .....	Graduate Assistant in Chemistry.....	150.00
C. E. Sherman .....	Professor of Civil Engineering.....	3,500.00
F. H. Eno.....	Professor of Municipal Engineering..	2,750.00
C. T. Morris .....	Professor of Structural Engineering..	3,500.00
R. C. Sloane .....	Assistant Professor Civil Engineering..	2,000.00
Wilhelm Neilson .....	Instructor in Civil Engineering.....	1,600.00
J. R. Shank .....	Assistant Professor in Civil Engineer- ing .....	1,800.00
Gabriel Weber .....	Instructor in Civil Engineering .....	1,080.00
F. C. Caldwell .....	Professor in Electrical Engineering...	3,000.00
J. E. Shepardson .....	Instructor in Electrical Engineering..	1,600.00
R. A. Brown .....	Instructor in Electrical Engineering..	1,600.00
A. F. Puchstein .....	Instructor in Electrical Engineering..	1,300.00
W. R. Alexander .....	Machinist—Electrical Engineering ...	1,245.84
*Joseph Greenwald.....	Machinist's Helper .....	226.67
Charles Allen Wright .....	Professor of Electrical Engineering...	2,750.00
*Thos. J. Donahoe .....	Assistant Mechanician .....	22.50
*Floyd Grant .....	Assistant Mechanician .....	162.50
*Wallace Van Etten .....	Assistant Mechanician .....	175.00
*Thomas E. French .....	Professor of Engineering Drawing....	3,500.00
Robert Meiklejohn .....	Assistant Professor of Engineering Drawing .....	2,250.00
O. E. Williams.....	Assistant Professor of Engineering Drawing .....	1,800.00
W. D. Turnbull .....	Assistant Professor of Engineering Drawing .....	1,800.00
W. B. Field .....	Instructor in Engineering Drawing....	1,400.00
C. L. Svenson .....	Assistant Professor of Engineering Drawing .....	1,800.00
Floyd M. Martin .....	Assistant in Engineering Drawing ...	900.00
Charles M. Ward .....	Student Assistant in Engineering Drawing .....	300.00
Dale O. Miller .....	Student Assistant in Engineering Drawing .....	300.00
Paul B. Shawen .....	Student Assistant in Engineering Drawing .....	300.00
Charlotte K. Wilkinson .....	Assistant in Engineering Drawing....	900.00
Lloyd K. Eagle.....	Instructor in Engineering Drawing....	300.00
*F. S. Sanborn .....	Professor of Industrial Arts.....	220.00
W. A. Knight .....	Acting Head of Industrial Arts and As- sociate Professor of Machine Shop Practice .....	2,000.00
C. M. Beem .....	Instructor in Pattern Making .....	1,705.00
*A. A. Case .....	Instructor in Machine Shop Practice..	450.00
U. W. Denman .....	Instructor in Woodworking .....	1,430.00
*J. A. Foust .....	Instructor in Industrial Arts .....	910.00
J. J. Breckur .....	Instructor in Founding .....	1,210.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Harold Wright .....	Instructor in Blacksmithing .....	\$1,100.00
Carl M. Senn .....	Assistant in Woodworking .....	1,000.00
*Charles H. Woodruff .....	Shop Assistant in Industrial Arts.....	900.00
*J. Edwin Balmer .....	Instructor in Industrial Arts .....	500.00
*F. A. Hobart .....	Instructor in Industrial Arts .....	125.00
R. D. Bohannon .....	Professor of Mathematics .....	3,500.00
K. D. Swartzel .....	Professor of Mathematics .....	2,282.50
H. W. Kuhn .....	Professor of Mathematics .....	2,750.00
S. E. Rasor .....	Professor of Mathematics .....	2,500.00
G. W. McCoard .....	Professor of Mathematics .....	1,800.00
C. C. Morris .....	Professor of Mathematics .....	2,000.00
C. L. Arnold .....	Associate Professor of Mathematics...	2,250.00
J. D. Preston .....	Assistant Professor of Mathematics...	1,500.00
Grace Bareis .....	Assistant Professor of Mathematics...	1,500.00
Hortense Rickard .....	Instructor in Mathematics .....	1,500.00
James H. Weaver .....	Instructor in Mathematics .....	1,500.00
*J. Charles Reitz .....	Assistant Professor of Mathematics...	600.00
Harry M. Beatty .....	Instructor in Mathematics .....	1,500.00
Wm. T. Magruder .....	Professor of Mechanical Engineering..	3,500.00
C. A. Norman .....	Professor of Machine Design .....	3,000.00
H. Judd .....	Associate Professor Hydraulic Engineering .....	2,500.00
J. J. Davis .....	Machinist .....	1,200.00
R. L. Pratt .....	Stationery Engineer .....	1,200.00
Victor L. Darnell .....	Student Assistant in Mechanical Engineering .....	650.00
*John J. Greeley .....	Laborer—Mechanical Engineering .....	260.00
Harry E. Schieber .....	Student Assistant in Mechanical Engineering .....	650.00
Paul Bucher .....	Instructor in Mechanical Engineering..	1,300.00
Aubrey J. Brown .....	Assistant Professor in Mechanical Engineering .....	2,200.00
J. E. Boyd .....	Professor of Mechanics .....	3,250.00
E. F. Coddington .....	Professor of Mechanics .....	3,000.00
J. O. Draffin .....	Instructor .....	1,350.00
D. J. Demorest .....	Professor of Metallurgy .....	1,375.00
*E. E. Somermeier .....	Professor of Metallurgy .....	1,080.00
Joseph S. Gregorius .....	Assistant in Metallurgy .....	600.00
*Francis M. Demorest .....	Assistant in Metallurgy .....	150.00
P. L. Wright .....	Assistant in Machine Shop Practice...	1,430.00
H. E. Nold .....	Assistant Professor of Mine Engineering and Acting Head .....	2,250.00
Shen Hung .....	Student Assistant in Mine Engineering.	300.00
W. J. McCaughey .....	Professor of Mineralogy .....	2,500.00
A. D. Cole .....	Professor of Physics .....	3,500.00
R. F. Earhart .....	Professor of Physics .....	2,750.00
Charles Sheard .....	Professor of Physics .....	2,500.00
Alpheus W. Smith .....	Professor of Physics .....	2,750.00
H. G. Heil .....	Assistant Professor of Physics .....	1,800.00
D. A. Woodbury .....	Instructor in Physics .....	1,500.00
Alva W. Smith .....	Instructor in Physics .....	1,500.00
R. C. Ditto .....	Instructor in Physics .....	1,400.00
John S. Ward .....	Assistant in Physics .....	1,200.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Arthur P. Freund .....	Mechanician in Physics .....	\$1,300.00
*F. C. Blake .....	Professor of Physics .....	1,989.17
Jerry H. Service .....	Instructor in Physics .....	1,500.00
Claude A. Burrett .....	Dean and Director of the College of Homeopathic Medicine and Professor of Homeopathic Medicine .....	3,500.00
*F. B. Grosvenor .....	Professor of Homeopathic Medicine...	500.00
A. E. Hinsdale .....	Professor of Homeopathic Medicine...	2,750.00
J. A. Ferree .....	Professor of Homeopathic Medicine...	2,500.00
Roy C. Wolcott .....	Professor of Homeopathic Medicine...	2,500.00
Wm. A. Humphrey .....	Professor of Homeopathic Medicine...	2,500.00
W. B. Carpenter .....	Lecturer—Homeopathic Medicine .....	300.00
Adolph B. Schneider .....	Lecturer—Homeopathic Medicine .....	450.00
*Earl H. Baxter .....	Instructor in Homeopathic Medicine...	960.00
*George W. Stober .....	Assistant in Homeopathic Medicine...	120.00
John P. Fairchild .....	Assistant in Homeopathic Medicine...	200.00
David P. Green .....	Assistant in Homeopathic Medicine ...	500.00
Floyd M. Green .....	Student Assistant in Homeopathic- Medicine .....	200.00
Charles H. Fee .....	Student Assistant in Homeopathic- Medicine .....	200.00
*Adonis Cashbaugh .....	Supervisor of Anaesthetics .....	120.00
*George B. Faulder .....	Assistant in Homeopathic Medicine...	60.00
*Harry M. Sage .....	Assistant in Homeopathic Medicine...	60.00
Gertrude Loessel .....	Principal of Nurses' Training School, Homeopathic Hospital .....	900.00
*Mary Ferguson .....	Surgery Nurse—Homeopathic Hospital	196.00
*Francis Nichol .....	Dietitian—Homeopathic Hospital .....	100.00
*Rena Daily .....	Maternity and Children's Nurse— Homeopathic Hospital .....	200.00
*Francis Schlegelmilch .....	Pharmacy Nurse—Homeopathic Hos- pital .....	200.00
*Martha Bower .....	Student Nurse—Homeopathic Hospital.	15.63
*Sara Fulton .....	Student Nurse—Homeopathic Hospital.	18.75
*Hazel Ault .....	Student Nurse—Homeopathic Hospital.	6.25
Helen Miller .....	Student Nurse—Homeopathic Hospital.	75.00
Ethel Schaefer .....	Student Nurse—Homeopathic Hospital.	75.00
Leoto Fisher .....	Student Nurse—Homeopathic Hospital.	75.00
Amanda Schneck .....	Student Nurse—Homeopathic Hospital.	75.00
Nora Turner .....	Student Nurse—Homeopathic Hospital.	75.00
Eva Clements .....	Student Nurse—Homeopathic Hospital.	75.00
*Beatrice Jacobs .....	Student Nurse—Homeopathic Hospital.	25.00
*Emma Herbst .....	Student Nurse—Homeopathic Hospital.	62.50
Margaret Wall .....	Student Nurse—Homeopathic Hospital.	75.00
Jaunita Hauer .....	Student Nurse—Homeopathic Hospital.	72.91
Marian Fledderjohann .....	Student Nurse—Homeopathic Hospital.	72.91
Inez Terry .....	Student Nurse—Homeopathic Hospital.	68.73
Leona Hurst .....	Student Nurse—Homeopathic Hospital.	68.73
Catherine Burger .....	Student Nurse—Homeopathic Hospital.	60.45
Lova Ethel Swingert .....	Student Nurse—Homeopathic Hospital.	56.25
*Marie Brinkmeyer .....	Student Nurse—Homeopathic Hospital.	29.12
*Eva Shapley Smith .....	Student Nurse—Homeopathic Hospital.	41.60
*Mrs. Iva Meredith .....	Student Nurse—Homeopathic Hospital.	41.60

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
*Wanda Fay Hahn .....	Student Nurse—Homeopathic Hospital.	\$ 41.60
*Jeanette Allmand .....	Student Nurse—Homeopathic Hospital.	31.22
*Fern Conway .....	Student Nurse—Homeopathic Hospital.	33.30
Corda Hartman .....	Student Nurse—Homeopathic Hospital.	33.30
Emilie Jungermans .....	Student Nurse—Homeopathic Hospital.	33.30
Minnie Knecht .....	Student Nurse—Homeopathic Hospital.	29.14
Esther Lyon .....	Student Nurse—Homeopathic Hospital.	33.30
Katherine Percy .....	Dietitian .....	525.00
*Elizabeth Strickler .....	Pharmacy Nurse .....	338.00
*Kathleen Hannon .....	Supervisor Maternity and Children's Ward .....	366.00
*Aneita Spencer .....	Supervisor Operating Room .....	120.00
*Eva Graham .....	Pharmacy Nurse .....	90.00
John J. Adams .....	Dean and Professor of the College of Law .....	5,000.00
George W. Rightmire .....	Professor of Law .....	4,000.00
A. H. Tuttle .....	Professor of Law .....	4,000.00
Clarence D. Laylin .....	Professor of Law .....	4,000.00
Joseph W. Madden .....	Professor of Law .....	3,000.00
*E. F. McCampbell .....	Dean of the College of Medicine .....	1,660.00
*F. L. Landacre .....	Acting Dean of the College of Medicine	400.00
F. L. Landacre .....	Professor of Anatomy .....	3,500.00
Edward C. Buck .....	Assistant Professor of Anatomy .....	2,750.00
James H. Warren .....	Assistant Professor of Anatomy .....	1,200.00
R. C. Baker .....	Instructor in Anatomy .....	1,300.00
Wm. P. Smith .....	Assistant in Anatomy .....	1,000.00
Thomas Evans .....	Technician in Anatomy .....	960.00
Emma Courtright .....	Assistant in Anatomy .....	750.00
C. I. Britt .....	Student Assistant in Anatomy .....	300.00
W. H. Buker .....	Student Assistant in Anatomy .....	300.00
M. Goldberg .....	Student Assistant in Anatomy .....	300.00
D. H. Downey .....	Student Assistant in Anatomy .....	300.00
*Howard Yoakum .....	Student Assistant in Anatomy .....	150.00
*Mary Oliver .....	Student Assistant in Anatomy .....	180.00
*R. A. Knouff .....	Instructor in Anatomy .....	600.00
*Mrs. Ethel Esper .....	Student Assistant in Anatomy .....	150.00
Charles B. Morrey .....	Professor of Bacteriology .....	3,000.00
W. A. Starin .....	Professor of Bacteriology .....	2,500.00
Vera McMasters .....	Instructor in Bacteriology .....	1,400.00
E. E. Roshon .....	Student Assistant in Bacteriology .....	400.00
Edgar W. Bolton .....	Student Assistant in Bacteriology .....	400.00
Fred Speer .....	Student Assistant in Bacteriology .....	400.00
*Howard Gilmore .....	Student Assistant in Bacteriology .....	200.00
Oscar Metz .....	Diener—Bacteriology .....	900.00
F. O. Ockerblad .....	Instructor in Bacteriology .....	1,200.00
F. L. Mills .....	Pharmacist (Three Months) .....	75.00
Max Haverman .....	Pharmacist (State Street) .....	250.00
Clarence J. Burns .....	Interne .....	50.00
William J. Corey .....	Interne .....	50.00
Joseph M. Griffith .....	Interne .....	50.00
Roy E. Krigbaum .....	Interne .....	50.00
Link McK. Murphy .....	Interne .....	50.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Harold H. Stevens	Interne	\$ 50.00
Protestant Hospital Assoc'n.	Orderly	270.00
J. H. J. Upham	Professor of Medicine	1,800.00
*H. B. Blakey	Assistant Professor of Medicine	150.00
C. J. Shepard	Assistant Professor of Medicine	200.00
E. G. Horton	Assistant Professor of Medicine	300.00
S. A. Hatfield	Assistant Professor of Medicine	2,250.00
*Guy H. Williams	Instructor in Medicine	100.00
Joseph W. Leist	Instructor in Medicine	1,500.00
R. A. Ramsey	Instructor in Medicine	300.00
*Samuel Hindman	Instructor in Medicine	60.00
G. H. Shawaker	Assistant in Medicine	200.00
F. C. Wagenhals	Assistant in Medicine	300.00
Wm. H. Pritchard	Instructor in Medicine	100.00
Andrews Rogers	Professor of Obstetrics	1,000.00
Charles W. Hadley	Instructor of Obstetrics	400.00
*G. W. Brehm	Instructor of Obstetrics	60.00
F. W. Watson	Student Assistant in Obstetrics	150.00
J. W. Wilce	Student Assistant in Obstetrics	150.00
Walter E. Duffee	Assistant in Obstetrics	250.00
Andrew Timberman	Professor of Ophthalmology and Otolaryngology	200.00
*Hugh G. Beatty	Instructor in Ophthalmology and Otolaryngology	30.00
Andrew W. Prout	Instructor in Ophthalmology and Otolaryngology	600.00
*Arthur M. Hauer	Instructor in Ophthalmology and Otolaryngology	100.00
Ivor G. Clark	Instructor in Ophthalmology and Otolaryngology	600.00
John B. Alcorn	Instructor in Ophthalmology and Otolaryngology	600.00
T. Rees Williams	Instructor in Ophthalmology and Otolaryngology	20.00
Ernest Scott	Professor of Pathology	3,250.00
Carl L. Spohr	Professor of Pathology	3,000.00
Jonathan Forman	Assistant Professor of Pathology	1,000.00
Hazel Cameron	Assistant in Pathology	1,200.00
Margaret W. Fisher	Technical Assistant in Pathology	900.00
*Thurza Teegarden	Technical Assistant in Pathology	360.00
*Mortimer Banks	Technical Assistant in Pathology	160.00
Clyde Brooks	Professor of Physiology, Phys. Chemistry and Pharmacology	3,750.00
A. M. Bleile	Professor of Physiology, Phys. Chemistry and Pharmacology	3,000.00
Clayton McPeck	Assistant Professor of Physiology, Phys. Chemistry and Pharmacology	2,500.00
R. J. Seymour	Assistant Professor of Physiology, Phys. Chemistry and Pharmacology	2,250.00
E. P. Durant	Instructor in Physiology, Phys. Chemistry and Pharmacology	1,600.00
William Irving	Technical Assistant in Physiology, Phys. Chemistry and Pharmacology	1,700.00
Clara M. Wegener	Research Assistant in Physiology, Phys. Chemistry and Pharmacology	700.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Franklin H. Pennell	Student Assistant in Physiology, Phys. Chemistry and Pharmacology.....	\$ 300.00
R. G. Lewis	Student Assistant in Physiology, Phys. Chemistry and Pharmacology .....	300.00
H. O. Bratton	Instructor in Medicine .....	200.00
K. G. Hancher	Assistant in Physiology, Phys. Chemistry and Pharmacology .....	600.00
E. R. Hayhurst	Assistant Professor of Public Health and Sanitation .....	2,800.00
L. H. VanBuskirk	Instructor in Public Health and Sanitation .....	200.00
2 Nurses	Nurses for Public Health and Sanitation .....	825.00
*Verne A. Dodd	Assistant Professor of Surgery and Gynecology .....	450.00
I. B. Harris	Assistant Professor of Surgery and Gynecology .....	300.00
Yeatman Wardlow	Professor of Surgery and Gynecology..	300.00
Leslie L. Biglow	Assistant Professor of Surgery and Gynecology .....	2,250.00
E. A. Hamilton	Assistant Professor of Surgery and Gynecology .....	400.00
*John W. Means	Instructor in Surgery and Gynecology..	80.00
*A. M. Steinfeld	Assistant in Surgery and Gynecology..	40.00
L. V. Zartman	Instructor in Surgery and Gynecology..	400.00
H. A. Baldwin	Instructor in Surgery and Gynecology..	200.00
*J. M. Gallen	Instructor in Surgery and Gynecology..	120.00
Hugh J. Means	Instructor in Surgery and Gynecology..	700.00
*E. M. Freese	Assistant in Surgery and Gynecology..	90.00
*Phillip J. Reel	Assistant in Surgery and Gynecology..	150.00
P. E. Stiffey	Assistant in Surgery and Gynecology..	200.00
*W. N. Taylor	Assistant in Surgery and Gynecology..	30.00
F. M. Stanton	Assistant in Surgery and Gynecology..	100.00
Mary Worch	Technician—Surgery and Gynecology..	600.00
C. A. Dye	Professor and Acting Dean of the College of Pharmacy .....	3,050.00
Edward D. Davy	Assistant Professor of Pharmacy.....	1,900.00
Azor Thurston	Lecturer in Pharmacy .....	1,000.00
*David S. White	Professor and Dean of the College of Veterinary Medicine .....	2,200.00
O. V. Brumley	Acting Dean and Professor of Veterinary Medicine .....	4,500.00
S. Sisson	Professor of Veterinary Medicine.....	3,500.00
A. G. G. Richardson	Professor of Veterinary Medicine.....	2,750.00
J. H. Snook	Assistant Professor of Veterinary Medicine .....	2,200.00
*F. A. Lambert	Assistant Professor of Veterinary Medicine .....	1,050.00
J. N. Shoemaker	Assistant Professor of Veterinary Medicine .....	2,000.00
Walter R. Hobbs	Assistant Professor of Veterinary Medicine .....	1,800.00
R. E. Rebrassier	Instructor in Veterinary Medicine .....	1,500.00
S. J. Schilling	Instructor in Veterinary Medicine .....	1,400.00
R. A. Hendershott	Assistant in Veterinary Medicine .....	1,100.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Wm. H. Walker .....	Groom—Veterinary Medicine .....	\$ 900.00
*James O. Mason .....	Groom—Veterinary Medicine .....	300.00
Hoy J. Bird .....	Clerk—Veterinary Medicine (July and August) .....	120.00
*Harry A. Stolpestad .....	Assistant in Veterinary Medicine.....	600.00
Benjamin Ford .....	Clerk—Veterinary Medicine .....	850.00
LeRoy Wilson .....	Groom—Veterinary Medicine .....	600.00
*Wm. McPherson .....	Dean of the Graduate School .....	1,660.00
*W. H. Siebert .....	Acting Dean of the Graduate School...	300.00
E. E. H. Boyer .....	Graduate Fellow .....	500.00
Esther Gatewood .....	Graduate Fellow .....	500.00
Swarna K. Mitra .....	Graduate Fellow .....	500.00
Mary Beal Housel .....	Graduate Fellow .....	500.00
Arthur St. C. Sloan .....	Graduate Fellow .....	500.00
A. J. Basinger .....	Graduate Scholar .....	250.00
Sylvia M. Byer .....	Graduate Scholar .....	250.00
Eva G. Campbell .....	Graduate Scholar .....	250.00
Mary Conway .....	Graduate Scholar .....	250.00
*Clarise S. Hobensack .....	Graduate Scholar .....	25.00
Edna Lamb .....	Graduate Scholar .....	250.00
Lorene Teegarden .....	Graduate Scholar .....	250.00
Mary Young .....	Graduate Scholar .....	250.00
Florence E. Hyde .....	Graduate Scholar .....	250.00
Harry A. Bender .....	Graduate Scholar .....	125.00
Etheldra Collett .....	Graduate Scholar .....	250.00
Anna McIntyre .....	Graduate Scholar .....	250.00
Esther Reedy .....	Graduate Scholar .....	250.00
Julia R. Woodruff .....	Graduate Scholar .....	250.00
James E. Rockwood .....	Graduate Scholar .....	250.00
Alice W. Black .....	Graduate Scholar .....	250.00
*Charles F. Rudman .....	Graduate Scholar .....	125.00
Olive B. Jones .....	Librarian .....	2,000.00
Charles W. Reeder .....	Reference Librarian .....	2,000.00
Maud D. Jeffrey .....	Reference Librarian .....	1,700.00
Gertrude S. Kellicott .....	Accession Librarian .....	1,700.00
Donald Leidigh .....	Accession Assistant .....	1,020.00
Bertha Schneider .....	Head Cataloguer .....	1,700.00
Alice D. McKee .....	Cataloguer .....	1,170.00
Esther S. Chapin .....	Cataloguer .....	1,080.00
Alice D. Cruickshank .....	Cataloguer .....	1,020.00
Muriel J. Schabacker .....	Cataloguer .....	1,020.00
Louise Shoeneweiss .....	Library Assistant .....	1,140.00
Marguerite Mitchell .....	Library Assistant .....	1,170.00
Alice L. Morris .....	Library Assistant .....	1,020.00
Mrs. Mae M. Walker.....	Library Assistant .....	900.00
Harriet N. Townshend .....	Library Assistant .....	900.00
Lillian M. Nippert .....	Library Assistant .....	900.00
Ethel Melsheimer Miller .....	Library Assistant .....	900.00
Edith B. Cooperrider .....	Library Assistant .....	900.00
Helen E. Sells.....	Library Assistant .....	900.00
Frances Mason .....	Library Assistant .....	840.00
Marguerite K. Forwick .....	Library Assistant .....	780.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Susan Marsbury .....	Library Assistant .....	\$ 720.00
*Charlotte Josephine Thomas	Library Assistant .....	720.00
Gertrude F. North .....	Library Assistant .....	600.00
Marie A. Hopkins .....	Library Assistant .....	600.00
Helen Beall .....	Library Assistant .....	600.00
Edward A. Schwinn .....	Night Assistant .....	400.00
W. H. Yeager .....	Night Assistant .....	400.00
E. G. Hedrick .....	Check Room Assistant .....	900.00
*Elma E. Hamilton .....	Library Assistant .....	570.00
*Ruth Brown .....	Library Assistant .....	360.00
*Mrs. Marie Bulkley .....	Library Assistant .....	300.00
*Grace Oldham .....	Library Assistant .....	150.00
*Wm. E. Hanna .....	Library Assistant .....	125.00
*Wm. A. Dougherty .....	Library Assistant .....	125.00
*Joseph E. Fisher .....	Library Assistant .....	125.00
*Minnette Fritts .....	Library Assistant .....	150.00
*George L. Converse .....	Professor—Military Science and Tactics	340.00
Gustav Bruder .....	Band Leader .....	500.00
*Edson L. Small (Capt.)...	Assistant to Commandant .....	120.00
J. F. Madden .....	Sergeant .....	150.00
John O'Rourke .....	Sergeant .....	150.00
Karl H. Young .....	Lt. Colonel .....	37.50
Robert S. Newdick .....	Colonel .....	37.50
Edwin R. Raymond .....	Major .....	25.00
Sanford G. Price .....	Major .....	25.00
Edwin D. Stackhouse .....	Major .....	25.00
Dane L. Williams .....	Major .....	25.00
Orville G. Stinchcomb .....	Major .....	25.00
Charles E. Zahn .....	Captain .....	20.00
Thomas H. Sutherland ....	Captain .....	20.00
Wayne C. Overturf .....	Captain .....	20.00
Stuart Constable .....	Captain .....	20.00
Earl B. Candell .....	Captain .....	20.00
Alvin C. Huffman .....	Captain .....	20.00
Montgomery Campbell ....	Captain .....	20.00
Bruce A. Lawman .....	Captain .....	20.00
Frank Lane .....	Captain .....	20.00
Joseph K. Barr .....	Captain .....	20.00
Henry H. Crimmel .....	Captain .....	20.00
Harold P. Medley .....	Captain .....	20.00
Alfred B. Maschke .....	1st Lieutenant .....	15.00
James L. Doran .....	1st Lieutenant .....	15.00
George D. Lewis .....	2nd Lieutenant .....	15.00
Lyman A. Markel .....	2nd Lieutenant .....	15.00
Dwight M. McGuire .....	2nd Lieutenant .....	15.00
Clifford L. Ames .....	2nd Lieutenant .....	15.00
L. W. St. John .....	Professor of Physical Education.....	4,500.00
F. R. Castleman .....	Professor of Physical Education.....	2,750.00
Florence A. Meyer .....	Assistant Professor of Physical Education .....	1,500.00
H. C. Ohlson .....	Instructor in Physical Education.....	1,800.00
O. C. Bird .....	Instructor in Physical Education.....	1,800.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
*G. W. Trautman .....	Assistant Professor of Physical Education .....	\$1,125.00
Margaret C. Hammett .....	Assistant Professor of Physical Education .....	1,300.00
Selma Mesloh .....	Assistant in Physical Education .....	750.00
Mrs. Clark Hunter .....	Pianist—Physical Education .....	450.00
*Lola Stout .....	Maid—Physical Education .....	240.00
*Laura Ellen Fredo .....	Maid—Physical Education .....	225.00
T. H. Connell .....	Student Assistant in Physical Education .....	300.00
*Katherine Fisher .....	Instructor in Physical Education .....	500.00
*Ruth A. Whitehill .....	Clerk to War Records Committee .....	175.00
*E. A. Cottrell .....	Liaison Officer .....	320.00
Katherine A. Vogel .....	Executive Clerk .....	1,200.00
*Ruth M. Ford .....	Stenographer—President's Office .....	298.85
*Florence Bradford .....	Stenographer—President's Office .....	70.00
*Hazel M. Lewis .....	Stenographer—President's Office .....	480.00
Carl E. Steeb .....	Secretary and Business Manager .....	4,250.00
*Jane S. Haskett .....	Chief Clerk .....	541.65
R. M. Royer .....	Purchasing Agent .....	2,500.00
Marguerite L. Makepeace .....	Stenographer .....	1,020.00
Ethel Gilkey .....	Clerk .....	1,020.00
Harriet V. Sturm .....	Typist .....	840.00
*Minnette Fritts .....	Student Clerk .....	40.00
Bess C. Watters .....	Cashier .....	1,300.00
Mary Krause .....	Auditor .....	1,500.00
Hazel Bratton .....	Voucher Clerk .....	960.00
Ester P. Morrow .....	Clerk .....	840.00
Charles A. Kuntz .....	Comptroller .....	1,800.00
Florence Naile .....	Bookkeeper .....	1,200.00
Marie D. Haines .....	Clerk .....	900.00
*Floris D. Hane .....	Typist .....	770.00
*Marie Bowman .....	Stenographer .....	389.42
Edith D. Cockins .....	Registrar .....	2,500.00
Lucy M. Taylor .....	Assistant to Registrar .....	1,400.00
Clara Miller .....	Assistant to Registrar .....	1,080.00
Helen Clarke .....	Assistant to Registrar .....	1,080.00
Ruth Evans Agler .....	Assistant to Registrar .....	900.00
Ethyl Woodbury .....	Assistant to Registrar .....	900.00
Helen Frame .....	Assistant to Registrar .....	900.00
*Ruth A. Whitehill .....	Assistant to Registrar .....	315.00
*Edna Marie Roger .....	Assistant to Registrar .....	527.69
*Marjorie Dean .....	Assistant to Registrar .....	700.00
*Daisy Davis .....	Assistant to Registrar .....	160.00
Lester E. Wolfe .....	Secretary to Entrance Board .....	2,200.00
*Ednah Pugh .....	Stenographer .....	560.00
*M. Helen Pugh .....	Stenographer .....	261.15
*Caroline M. Breyfogle .....	Dean of Women .....	200.00
*Arema O'Brien .....	Assistant to Dean .....	111.00
*Mrs. George L. Converse .....	Acting Dean of Women .....	2,000.00
A. R. Barrington .....	Musical Director .....	750.00
H. S. Wingert .....	Director of Student Health Service .....	2,750.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
*Charles E. Findlay.....	Secretary to the Dean of the College of Medicine .....	\$ 750.00
Hugh Hardy .....	Clerk .....	900.00
Annette M. Shugert .....	Stenographer .....	840.00
Mabel Moran .....	Stenographer .....	840.00
Clarissa Arndt .....	Stenographer .....	840.00
W. Aimee Obaugh .....	Stenographer (Half Time) .....	420.00
Katherine Conrad .....	Student Stenographer (Part Time) ...	30.77
Mary Lahmering .....	Stenographer .....	840.00
W. F. Felch .....	Clerk .....	840.00
Eva Smith .....	Stenographer .....	840.00
*M. Grace White .....	Stenographer .....	350.00
Edith Rathbun .....	Stenographer .....	840.00
Alberta Williams .....	Stenographer .....	840.00
*M. Helen Pugh .....	Stenographer .....	578.85
Victoria Reichel .....	Typist .....	720.00
Mary Thomas Reichel .....	Stenographer .....	840.00
Nora Peck .....	Stenographer .....	900.00
Katherine L. Pugh .....	Stenographer .....	840.00
Alice Moran .....	Stenographer .....	840.00
Duncan Cameron .....	Stenographer .....	786.16
Marie Hoffman .....	Stenographer (Half Time).....	420.00
Catherine M. Doody .....	Stenographer .....	840.00
Margaret M. Ryan .....	Stenographer .....	840.00
Lillian Moor .....	Stenographer .....	840.00
Muriel Snyder .....	Stenographer .....	830.00
Orleta Ansel .....	Stenographer (Half Time).....	420.00
Cecelia Ryan .....	Stenographer (Half Time).....	390.00
Mary E. McMillen .....	Stenographer .....	840.00
*Bernice Blue .....	Stenographer .....	280.00
Helen Dunlap .....	Stenographer .....	840.00
*Blanch L. Clark .....	Stenographer .....	350.00
*Kathryn L. Murtha .....	Stenographer .....	215.38
Dora M. Soler .....	Stenographer .....	821.15
Mary J. Hunter .....	Stenographer .....	840.00
*Marion Tinsley Godman ..	Stenographer .....	140.00
Marie G. Combs .....	Stenographer .....	840.00
Bertha Wolman .....	Stenographer .....	816.67
Ethel Snyder .....	Stenographer .....	689.23
*Josephine Hamblin .....	Stenographer .....	350.00
*Sarah Boatman .....	Stenographer .....	700.00
*Jane Porter .....	Student Stenographer .....	240.00
*Florence E. Courtright ...	Stenographer .....	490.00
*Ruth Speaker .....	Stenographer .....	490.00
*Eleanor E. Floyd .....	Stenographer .....	481.92
*Helen V. Pugh .....	Stenographer .....	393.08
*Henrietta Jettinghoff .....	Stenographer .....	280.00
*Edna B. Pratt .....	Stenographer .....	280.00
Ben S. Snode .....	Assistant and Herdsman .....	1,500.00
*George H. Young .....	Poultryman .....	670.00
Robert Watson .....	Groom .....	1,075.00
George Taylor .....	Herdsman .....	1,075.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Wm. Franklin .....	Shepherd .....	\$1,075.00
Dan Swisher .....	Teamster .....	775.00
L. H. Myers .....	General Laborer .....	735.00
*V. G. Lindamood .....	Groom Pavilion .....	490.00
*Benton Thomas .....	Swine Herdsman .....	510.00
*Ralph Sponsler .....	Assistant Herdsman .....	375.00
*Amos Heffner .....	Assistant Poultryman .....	82.00
*Mrs. Jessie Young .....	Assistant Poultryman .....	120.00
*Wm. S. Whittaker .....	Pavilion Groom .....	364.28
*Thomas A. Bayes .....	Poultryman .....	405.00
*Harry Thomas .....	Swine Herdsman .....	270.00
*John T. Laws .....	Swine Herdsman .....	210.00
*Horace E. Bayes .....	Assistant Poultryman .....	120.00
*Cecil Bayes .....	Herdsman (Laborer) .....	120.00
A. L. Bates .....	Driver—Dairying .....	900.00
*F. H. Neff .....	Helper .....	39.67
A. E. Smith .....	Farm Foreman .....	1,620.00
Charles Pugh .....	Head Teamster .....	875.00
John Rohne .....	Teamster .....	319.67
Marion Peck .....	Teamster .....	875.00
J. S. Long .....	Teamster .....	875.00
G. W. Landis .....	Teamster .....	875.00
Charles Carter .....	Laborer .....	875.00
*Wiley Parker .....	Laborer .....	240.00
*Ira Blanchard .....	Teamster .....	375.00
Wm. C. McCracken .....	Chief Engineer .....	3,500.00
*E. R. Davis .....	Stenographer .....	150.00
*Lee E. Vigor .....	Stenographer .....	195.00
*Grace Marie Leslie .....	Clerk—Stenographer .....	140.00
*Charles M. Dunbar .....	Clerk .....	154.08
*Lee E. Vigor .....	Stenographer .....	280.00
J. P. Covan .....	Master Mechanic .....	2,160.00
W. H. Case .....	Assistant Chief Engineer .....	1,440.00
Fred Brewer .....	Engineer .....	1,200.00
W. D. Hicks .....	Engineer .....	1,200.00
R. M. Ronk .....	Engineer .....	1,200.00
C. Ashenhurst .....	Fireman .....	1,080.00
S. Lowery .....	Fireman .....	1,080.00
*James F. Walker .....	Fireman .....	180.00
C. Woodford .....	Fireman .....	1,080.00
I. C. Reasoner .....	Blacksmith .....	1,200.00
Wm. Anderson .....	Craneman .....	1,189.98
*Roy DeVault .....	Laborer .....	182.50
*Thomas Howard .....	Wiper .....	412.50
J. E. Jones .....	Ashwheeler .....	900.00
G. E. Shepard .....	Steamfitter .....	1,500.00
B. A. LeBay .....	Boiler Repair Man .....	1,300.00
Leon Leathers .....	Heat Control Mechanician .....	1,300.00
F. H. Beck .....	Electrician .....	466.64
G. W. Dillahunt .....	Electrician .....	1,353.33
C. T. Fippen .....	Electrician .....	960.00
A. O. Kaiser .....	Helper to Engineer .....	1,140.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Charles Reasoner .....	Helper to Blacksmith .....	\$ 780.00
J. Kraner .....	Carpenter .....	1,440.00
*Martin Caughlin .....	Carpenter .....	106.66
E. I. Martin .....	Carpenter .....	1,280.00
Robert C. Kaiser .....	Plumber .....	1,350.00
E. Inscho .....	Plumber's Helper .....	1,080.00
H. E. Truxall .....	Painter .....	1,220.00
Eli Sherwood .....	Painter .....	1,080.00
J. Brain .....	Painter .....	1,080.00
H. R. Johnson .....	Tinner .....	1,260.00
T. McGarry .....	Foreman of Campus .....	1,140.00
Joseph Venis .....	Laborer .....	900.00
J. Fredo .....	Laborer .....	900.00
L. Stewart .....	Laborer .....	900.00
J. Hobert .....	Laborer .....	900.00
Robert L. Farrell .....	Laborer .....	676.67
J. L. Stainbrook .....	Laborer .....	900.00
A. Armstrong .....	Laborer .....	600.00
John Law .....	Teamster .....	305.76
William North .....	Day Policeman .....	1,020.00
H. S. Brown .....	Policeman .....	960.00
Thomas Oram .....	Inspector of Watchman .....	960.00
J. T. Daniels .....	Night Watchman .....	960.00
W. F. Mchaffey .....	Night Watchman .....	960.00
H. B. Case .....	Night Watchman .....	960.00
Alphonse Case .....	Night Watchman .....	960.00
Charles M. Hicks .....	Repair and Handy Man .....	1,060.00
Richard Brandon .....	Janitor .....	900.00
W. M. Penn .....	Janitor .....	900.00
W. M. Stahl .....	Janitor .....	900.00
D. W. Williams .....	Janitor .....	900.00
Wm. Daehler .....	Janitor .....	900.00
M. N. Cook .....	Janitor .....	900.00
Harry Chantler .....	Janitor .....	900.00
G. J. Hoesch .....	Janitor .....	900.00
O. E. Kiger .....	Janitor .....	900.00
J. J. Weate .....	Janitor .....	900.00
*W. W. Whitmer .....	Janitor .....	675.00
*J. A. Dannley .....	Student Janitor .....	77.00
S. A. Williams .....	Janitor .....	900.00
Lou Cornett (Mrs.) .....	Janitress .....	600.00
J. W. Brown .....	Janitor .....	900.00
George Hooley .....	Janitor .....	900.00
G. C. Denny .....	Janitor .....	900.00
B. N. Lewis .....	Janitor .....	900.00
R. M. Moore .....	Janitor .....	900.00
Oliver Smith .....	Janitor .....	900.00
L. F. Jordan .....	Janitor .....	900.00
B. F. Tallmadge .....	Janitor .....	900.00
E. L. Clements .....	Janitor .....	900.00
E. B. Seaman .....	Janitor .....	300.00
J. C. Ludlum .....	Janitor .....	900.00

\*Part time.

## ANNUAL REPORT

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. Curry .....	Janitor .....	\$ 900.00
James Merrill .....	Janitor .....	840.00
*W. E. Simpson .....	Janitor .....	450.00
Jack Gantz .....	Janitor .....	900.00
Wm. Pohle .....	Janitor .....	900.00
*John Long .....	Janitor .....	75.00
L. W. Richardson .....	Janitor .....	900.00
E. J. Nutt .....	Janitor .....	900.00
A. A. Hathaway .....	Janitor .....	900.00
E. P. Ames .....	Janitor .....	900.00
Robert Petrie .....	Janitor .....	900.00
Lena Gheen .....	Janitress .....	600.00
*Mrs. J. A. Hockenberry .....	Janitress .....	550.00
J. R. Butler .....	Janitor .....	900.00
*Lydia Dawson .....	Janitress .....	580.00
W. Duechler .....	Janitor .....	900.00
C. M. Shelton .....	Janitor .....	900.00
C. E. Harrold .....	Janitor .....	900.00
*S. C. Noe .....	Janitor .....	487.50
W. C. Harbin .....	Janitor .....	900.00
*Laotin Bradley .....	Janitor .....	300.00
E. R. Muse .....	Janitor .....	900.00
C. A. Hoppler .....	Janitor .....	900.00
J. W. DeWitte .....	Janitor .....	900.00
Ernest Ford .....	Janitor .....	900.00
M. S. Harvey .....	Elevator Man .....	480.00
Mary Powers .....	Matron—Rest Room .....	600.00
W. M. Mutchmore .....	Custodian—Medical Buildings .....	1,200.00
Agnes McGrail .....	Laundress .....	600.00
*Martha Walker .....	Laundress .....	450.00
Mrs. Myrtle Faught .....	Laundress .....	900.00
*Emma Munyan .....	Laundress .....	400.00
*George McGinness .....	Fireman .....	99.00
W. S. Williams .....	Carpenter .....	1,066.67
*T. P. Glidden .....	Watchman .....	880.00
*Elizabeth Rauhauser .....	Janitress .....	550.00
*C. D. Lowry .....	Laborer .....	420.00
*E. A. Shattuck .....	Laborer .....	750.00
*D. R. Masters .....	Janitor .....	490.00
*James E. Kimbrough .....	Janitor .....	600.00
*W. J. Baker .....	Fireman .....	80.00
*T. Scott .....	Ashman .....	600.00
*John Rhone .....	Teamster .....	557.50
*Dallas Jennings .....	Ashwheeler .....	80.00
*Wm. T. Hedges .....	Fireman .....	540.00
*Thos. C. Manes .....	Fireman .....	540.00
*Frank Revels .....	Fireman .....	540.00
*C. O'Harra .....	Laborer .....	450.00
*E. E. Evans .....	Assistant Electrician .....	630.00
*Walter J. Newlon .....	Janitor .....	375.00
*Roy McCauley .....	Truck Driver .....	350.00
*John O. Kimbrough .....	Janitor .....	375.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
*Ernest Long	Janitor	\$ 375.00
*Emerson R. Davis	Inspector of Buildings and Janitors	300.00
*Mitchell Bryant	Janitor	225.00
*Jennie Roberts	Laundress	150.00
*Charles E. Dice	Janitor	150.00
*Corrine Morgan	Laundress	50.00
*Jonathan Vollmer	Ashwheeler	150.00
*James Johnson	Janitor	75.00
*Henry Clay	Janitor	75.00
Joseph N. Bradford	University Architect	1,400.02
H. F. Reichard	Chief Draftsman	666.65
J. F. Mayer, Jr.	Draftsman	750.00
F. Leo Smith	Draftsman	700.04
Colleta Kelley	Stenographer	450.00
Mrs. Allie F. Harness	Clerk	840.00
Mrs. James Merrill	Janitress	360.00
Jessie Harrod	Supervising Nurse—University Hosp'l	1,000.00
*Alice Taylor	Hospital Clerk	530.77
Elizabeth Simmonds	Clinical Clerk	840.00
Mrs. Lydia Hinderer	Cook	780.00
*Jennie M. Stebler	Seamstress	50.00
Ruth Nimocks	Housemaid	360.00
*Ruth Townshend	Maid	153.56
*John F. Cain	Orderly	45.97
Vera Benjamin	Night Supervisor	50.00
*Blanch Smith	Waitress	172.85
*Mrs. Georgie Johnston	Seamstress	200.00
*Blanch Wycoff	Maid	129.28
*Elizabeth A. Dempster	Maid	50.57
R. W. Hodgson	Compositor—Journalism Printing	1,456.00
*A. Zierhut	Pressman—Journalism Printing	48.58
Sue K. Brown	Feeder and Binder—Journalism Printing	780.00
William Christ	Apprentice—Journalism Printing	1,256.67
Clara Baker	Bookkeeper—Journalism Printing	1,000.00
Chas. DeKalb	Printer—Journalism Printing	1,053.00
George F. Rodocker	Job Pressman—Journalism Printing	895.83
Chester Davies	Linotype Operator	1,053.00
F. E. Jones	Receiving Clerk	2,100.00
Chester McClintock	Store Keeper—Laboratory Supply Store	1,500.00
H. W. Miller	1st Assistant Storekeeper	100.00
Elizabeth Palmer	Clerk and Stenographer	750.00
James Lawson	Checking Clerk	1,080.00
Earl Conway	Stock Clerk	1,080.00
J. R. Remy	Deliveryman	1,064.00
Blanch Sullivan	Clerk and Stenographer	1,020.00
Mrs. Mable Clum	Clerk and Typist	900.00
C. G. Huffman	Laborer	780.00
J. T. Lawrence	Laborer	800.00
C. M. Spurgeon	Laborer	712.50
*Margaret Vallery	Clerk	520.00
D. R. Masters	Janitor	249.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
Clara Weishaupt .....	Stenographer .....	\$ 830.00
W. F. Stewart .....	Professor—Agricultural Education (July and August) .....	450.00
E. F. Johnson .....	Assistant Professor—Agricultural Education .....	2,400.00
R. H. Schrieber .....	Instructor—Agricultural Education ..	1,710.00
Frederick McMillen .....	Instructor—Agricultural Education ..	1,725.00
Roy D. Kauffman .....	Instructor—Agricultural Education ..	1,350.00
Maude G. Adams .....	Supervisor Practice Teaching—Home Economics .....	500.00
Treva Kauffman .....	Instructor—Home Economics .....	1,800.00
Doris MacConathy .....	Critic Teacher—Home Economics.....	1,100.00
Henrietta Gromme .....	Critic Teacher—Home Economics.....	1,250.00
E. L. Usry .....	Professor—Industrial Arts .....	750.00
Robert E. Smith .....	Instructor .....	500.00
Carl L. Svenson .....	Instructor—Engineering Drawing .....	250.00
L. M. Parker .....	Instructor Industrial Arts .....	300.00
*Josephine Mathews.....	House Superintendent—Oxley Hall....	900.00
*Isabel Colmery .....	Secretary—Oxley Hall .....	195.00
Mary Warner .....	Housekeeper .....	324.00
Relia Friend .....	Cook .....	500.00
Mrs. Mary Dilworth .....	Night Chaperon .....	460.00
Nettie Teguel .....	Maid .....	500.00
Sevilla Nrooty .....	Waitress .....	358.36
Nannie Wade .....	Waitress .....	209.68
*Vivian Powell .....	Waitress .....	74.07
Martha Brandon .....	Waitress .....	10.71
Winona Pillman .....	Waitress .....	25.89
Katharine Taylor .....	Student Clerk .....	85.80
Beauna Anderson .....	Maid .....	259.76
Mrs. T. Mowery .....	Cook .....	420.00
*Ruth Tyler .....	Waitress .....	32.11
*Clayetta Phyme .....	Waitress .....	219.58
*Dolly May Jackson .....	Waitress .....	27.96

### AGRICULTURAL EXTENSION

Clark S. Wheeler .....	Director .....	3,600.00
George B. Crane .....	Secretary and Assistant .....	2,300.00
J. E. McClintock .....	Agricultural Editor .....	3,200.00
Ethel M. Cadley .....	Assistant in Agricultural Extension...	1,399.98
E. K. Emslie .....	Photographer .....	1,600.00
V. C. Smith .....	Assistant Professor .....	2,100.00
*Walter Pehit .....	Instructor .....	250.00
H. C. Ramsower .....	Professor—(2 months) .....	550.00
Fred E. Riebel .....	Instructor .....	1,500.00
James B. Green .....	Assistant Professor .....	1,041.65
L. P. Beechy .....	Assistant Professor .....	600.00
*F. H. Beach .....	Assistant Professor .....	1,266.64
D. J. Kays .....	Professor .....	500.00
F. S. Jacoby .....	Assistant Professor—(2 months) .....	460.00
Robert B. Dustman .....	Assistant Professor .....	500.00

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
T. H. Parks .....	Assistant Professor .....	\$2,600.00
W. G. Stover .....	Assistant Professor .....	26.00
Ivan McKellip .....	Professor .....	999.97
*Walter Holdson .....	Instructor .....	<b>399.99</b>
*W. D. Axtell .....	Instructor .....	800.00
J. I. Falconer .....	Assistant Professor—(2 months) .....	440.00
W. E. Hanger .....	Professor .....	2,500.00
R. B. Cruickshank .....	Professor .....	2,500.00
*H. G. Ingerson .....	Assistant Professor .....	916.67
John W. Wuichet .....	Assistant Professor .....	2,300.00
B. L. Thompson .....	Assistant Professor .....	2,500.00
*M. C. Kilpatrick .....	Instructor .....	991.62
A. B. Dann .....	Assistant Professor .....	2,500.00
*H. D. Munroe .....	Instructor .....	695.00
J. F. Barker .....	Professor .....	2,750.00
M. A. Bachtell .....	Professor .....	2,500.00
*Rhoda E. Dick .....	Assistant Professor .....	1,108.31
Florence Willison .....	Instructor .....	1,440.00
*Mary Graber .....	Instructor .....	233.32
*Ruth Bryant .....	Instructor .....	174.99
Julia Smith .....	Instructor .....	1,420.00
Olga Elifritz .....	Instructor .....	1,320.00
Edith Dickson .....	Instructor .....	1,100.00
Dorothy Lowe .....	Instructor .....	266.67
Adelaide V. Scott .....	Instructor .....	750.00
Grace Cranflonia .....	Instructor .....	517.50
Oscar Erf .....	Professor .....	500.00
R. F. Tober .....	Assistant Professor .....	800.00
T. D. Phillips .....	Assistant Professor .....	388.00
Edna N. White .....	Professor .....	898.00
Mabel Nichol .....	Instructor .....	1,000.00
George Valley .....	Assistant in Agricultural Extension...	1,200.00
Grace Linder .....	Instructor .....	750.00
*L. O. Lantis .....	Assistant Professor .....	1,000.00
F. L. Allen .....	Professor .....	2,700.00
Mary Egan .....	Stenographer—Clinton County .....	486.00
*Vileda Weller .....	Stenographer—Lorain County .....	100.00
*Amy Waugh .....	Stenographer—Wood County .....	150.00
Nannie E. Ewing .....	Stenographer—Columbiana County .....	200.00
*Florence Will .....	Stenographer—Lucas County .....	120.00
*Mrs. Ora Cramer .....	Stenographer—Auglaize County .....	183.99
Mary L. Davis .....	Stenographer—Green County .....	460.00
Florence E. Mowen .....	Stenographer—Champaign County .....	292.00
Olive Schlatter .....	Stenographer—Fulton County .....	285.00
*Helen M. Bennett .....	Clerk—Ashtabula County .....	360.00
*Helen Jacobs .....	Stenographer—Auglaize County .....	264.00
*Laura G. Overhultzer .....	Stenographer—Mahoning County .....	270.00
*Edgar J. Bolen .....	Stenographer—Sandusky County .....	50.00
*Nellie I. Lester .....	Stenographer—Belmont County .....	240.00
*Irene B. Smith .....	Stenographer—Summit County .....	140.00
*Florence A. Ross .....	Stenographer—Ross County .....	160.00
*Ezra C. Anstaett .....	Stenographer—Clermont County .....	140.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
*Margaret K. Edwards	Stenographer—Lawrence County	\$ 135.00
*Margaret Rose	Stenographer—Lorain County	125.00
*Carmen M. Christman	Stenographer—Williams County	42.00
*Jessie M. Brewer	Stenographer—Wood County	75.00
*Bonnie Peshak	Stenographer—Morrow County	45.00
*Rachel A. Emig	Stenographer—Coshocton County	135.00
*Dorothy Kleinberger	Stenographer—Allen County	63.35
*Helen Davis	Stenographer	300.00
Lucile Taylor	Stenographer	900.00
Isabel McClure	Stenographer	840.00
Carrie Beach	Typist	810.00
J. A. Bond	Superintendent of Mailing Room	900.00
Kathleen McManigal	Chartmaker	637.00
*Hazel Barr	Clerk	200.00
Genevra Albright	Stenographer—Van Wert County	540.00
*Estelle I. Byrne	Clerk—Montgomery County	83.30
*Lowell D. Perry	Typist and Clerk	60.00
*Della Wiley	Stenographer—Ross County	280.00
*Bertha Smith	Stenographer—Summitt County	104.00
*Irene Irwin	Stenographer—Darke County	431.66
*Nettie Baumeister	Stenographer—Erie County	360.00
*Mary E. Yeager	Stenographer—Huron County	385.00
Alberta Markey	Stenographer—Defiance County	240.00
*Elma Grove	Stenographer—Licking County	315.00
Neva M. Yinger	Stenographer—Shelby County	516.00
Ione J. Lamb	Stenographer—Crawford County	370.00
Inez Biddle	Stenographer—Franklin County	528.33
*Lela Esser	Clerk	20.00
*Madge Doney	Stenographer—Tuscarawas County	105.00
*Lela Johnson	Stenographer—Lucas County	90.00
*Edythe Curtis	Stenographer—Montgomery County	33.33
*Bessie W. Esley	Stenographer—Sandusky County	50.00
*Mary Dalzell	Stenographer—Miami County	30.00
Ora E. Trouts	Stenographer—Brown County	35.00
*L. Grace Logan	Stenographer—Lake County	45.00
*Bertha Davis Wells	Stenographer	320.00
Agens Jordan	Stenographer	840.00
Mary Avery	Stenographer	840.00
*Tessa Webb	Stenographer	675.00
Cecelia Ryan	Stenographer (½ Time)	390.00
W. Aimee Obaugh	Stenographer (½ Time)	420.00
*Mary E. Clark	Stenographer	156.33
*Margaret Cromwell	Stenographer	483.00
Orleta Ansel	Stenographer (½ Time)	420.00
Callie Veidt	Stenographer	810.00
Marie Hofman	Stenographer (½ Time)	420.00
*Edwin Spencer	Assistant Farm Management Demonstrator	75.00
Catherine Ready	Stenographer	840.00
*Marcella Douglas	Stenographer	150.00
*Marie C. Kuglen	Stenographer	486.67
Beulah Allen	Clerk	277.66

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
*Martha Beach .....	Stenographer .....	\$ 225.00
*Corinne Richter .....	Stenographer .....	483.00
*Hannah Jones .....	Secretary Farmers' Institute .....	500.00
*Daisy Davis .....	Secretary Farmers' Institute .....	225.00
*Blanch L. Clark .....	Secretary Farmers' Institute .....	315.00
Lena Bumpas .....	Assistant State Leader and Instructor..	449.99
Nan R. Sharples .....	Assistant State Home Demonstration Agent .....	155.83
Matilda Campbell .....	Home Demonstration Agent .....	120.00
Martha Jones .....	Home Demonstration Agent .....	80.00
Alma Saver .....	Home Demonstration Agent .....	40.00
Amy Parker .....	Home Demonstration Agent .....	60.00
Kathleen Kent .....	Home Demonstration Agent .....	60.00
Florence Nesbitt .....	Home Demonstration Agent .....	60.00
Helen Mougey .....	Home Demonstration Agent .....	41.65
Lulu Billman .....	Home Demonstration Agent .....	120.00
Clara Hall .....	Home Demonstration Agent .....	60.00
Alice Swisher .....	Home Demonstration Agent .....	30.00
Mary Brown .....	Home Demonstration Agent .....	60.00
Blanch Bowers .....	Home Demonstration Agent .....	60.00
Ruth Beach .....	Home Demonstration Agent .....	60.00
Josephine Davis .....	Home Demonstration Agent .....	15.00
Leah Ascham .....	Home Demonstration Agent .....	60.00
Edith Hutchison .....	Home Demonstration Agent .....	60.00
Stella M. Fowler .....	Home Demonstration Agent .....	287.50
Alice Donaway .....	Home Demonstration Agent .....	37.50
Margaret Lawrence .....	Home Demonstration Agent .....	30.00
Enid W. Lunn .....	Home Demonstration Agent .....	100.00
Lora Grace Kays .....	Home Demonstration Agent .....	95.00
Janet C. Ward .....	Home Demonstration Agent .....	135.00
Bertha G. Dunn .....	Home Demonstration Agent .....	135.00
Mrs. Gertrude Day .....	Home Demonstration Agent .....	45.00
Ethel Lehman .....	Home Demonstration Agent .....	135.00
*Marion H. Current .....	Home Demonstration Agent .....	90.00
*Faith R. Lanman .....	Assistant State Leader .....	100.00
*Hazel Gerhardt .....	Home Demonstration Agent .....	40.00
*Hazel B. Joyce .....	Asst. Home Demonstration Agent.....	40.00
W. H. Palmer .....	State Leader Boys' and Girls' Club.....	1,058.00
*Ray Fife .....	Assistant State Leader Boys' and Girls' Club .....	779.17
B. B. Spohn .....	Assistant State Leader Boys' and Girls' Club .....	380.00
Hulda Horst .....	Assistant State Leader Boys' and Girls' Club .....	440.00
Nellie A. Logan .....	Local Club Leader .....	12.50
J. H. Mills .....	Local Club Leader .....	15.00
Minnie Porter .....	Local Club Leader .....	58.31
J. C. Spence .....	Local Club Leader .....	10.00
Mrs. Bernice Allen .....	Local Club Leader .....	10.00
O. C. Croy .....	Local Club Leader .....	25.00
W. S. Stoddard .....	Local Club Leader .....	25.00
Mrs. Winifred Lantz .....	Local Club Leader .....	35.00
Marietta Allen .....	Local Club Leader .....	25.00

\*Part time.

<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
W. H. Palmer .....	Local Club Leader .....	\$ 308.00
H. L. Fackler .....	Laborer Agricultural Extension .....	680.00

The following named persons received part salary only from the University; the balance from the U. S. Department of Agriculture, the Ohio Agricultural Experiment Station and the counties:

O. M. Johnson .....	County Agent Leader .....	\$ 458.30
A. E. Anderson .....	Assistant County Agent Leader .....	416.65
R. E. Bothwell .....	Assistant County Agent Leader .....	1,600.00
S. L. Anderson .....	County Agent .....	239.85
H. L. Andrew .....	County Agent .....	300.00
M. H. Bartter .....	County Agent .....	125.00
E. A. Brenneman .....	County Agent .....	839.95
C. F. Class .....	County Agent .....	1,499.45
R. A. Cave .....	County Agent .....	438.48
F. S. DeLashmutt .....	County Agent .....	700.00
R. F. Donnan .....	County Agent .....	900.00
L. M. Evans .....	County Agent .....	222.95
E. H. Faulkner .....	County Agent .....	550.00
C. G. Fieldner .....	County Agent .....	539.85
W. F. Gahn .....	County Agent .....	300.00
Paul Gerlaug .....	County Agent .....	1,333.32
J. C. Hedge .....	County Agent .....	1,300.00
E. G. Hibbs .....	County Agent .....	539.85
W. J. Hendrix .....	County Agent .....	587.58
M. B. Jimison .....	County Agent .....	239.95
F. G. Ketner .....	County Agent .....	166.65
M. E. Laird .....	County Agent .....	441.65
H. A. Lehman .....	County Agent .....	83.30
C. L. Long .....	County Agent .....	451.62
W. E. McCoy .....	County Agent .....	1,350.00
*M. C. Thomas .....	County Agent .....	864.98
*D. R. VanAtta .....	County Agent .....	611.64
Karl D. Hirn .....	County Agent .....	441.65
Ford S. Prince .....	County Agent .....	839.95
*H. G. Stevens .....	County Agent .....	175.00
*Jacob P. Schmidt .....	County Agent .....	100.01
C. A. Mahan .....	District Supervisor .....	750.00
G. R. Eastwood .....	District Supervisor .....	125.00
W. R. Wheelock .....	County Agent .....	88.00
*Frank Copper, Jr. ....	Assistant County Agent .....	40.00
*H. E. Eichhorn .....	Assistant County Agent .....	40.00
*N. W. Glines .....	Assistant County Agent .....	25.00
*C. J. Windau .....	Assistant County Agent .....	50.00
*J. D. VanHauten .....	Assistant County Agent .....	44.00
*W. A. Alexander .....	Assistant County Agent .....	50.00
S. R. Heffron .....	Assistant County Agent .....	44.00
W. L. Hammond .....	Assistant County Agent .....	15.00
M. O. Miller .....	County Agent .....	41.65
L. L. Mowls .....	County Agent .....	539.95
R. W. Munger .....	County Agent .....	441.65

\*Part time.



<i>Name of Employee</i>	<i>Position</i>	<i>Salary</i>
A. A. Olsen .....	County Agent .....	\$ 323.31
G. O. Reed .....	County Agent .....	239.95
T. B. Foster .....	County Agent .....	400.00
E. P. Reed .....	County Agent .....	272.66
H. J. Ridge .....	County Agent .....	239.95
S. M. Salisbury .....	County Agent .....	839.95
E. C. Sleeth .....	County Agent .....	566.65
A. G. Smith .....	County Agent .....	539.95
O. D. Smith .....	County Agent .....	225.00
A. J. Swift .....	County Agent .....	1,125.00
R. W. Jordan .....	County Agent .....	589.65
Howard Rogers .....	County Agent .....	206.64
W. N. Brownsfield.....	District Supervisor .....	650.00
R. D. Long .....	District Supervisor .....	333.31
E. E. Barnes .....	County Agent .....	650.00
Jean L. Gribble .....	County Agent .....	91.66
M. D. Miller .....	County Agent .....	398.33
*E. C. Richey .....	County Agent .....	589.65
D. G. Swanger .....	County Agent .....	135.62
S. B. Stowe .....	County Agent .....	125.00
C. W. Bailey .....	Assistant County Agent .....	41.65
J. N. Tullos .....	Assistant County Agent .....	43.30
Paul Sharritt .....	County Agent .....	44.00
*F. G. Ketner .....	County Agent .....	2.33
H. A. Lehman .....	County Agent .....	4.67
G. C. Musgrove .....	County Agent .....	91.66
Henry Pleurtis .....	County Agent .....	100.00
Wm. S. Barden .....	County Agent .....	33.33
William E. Stone .....	County Agent .....	150.00
Raymond M. Carr .....	County Agent .....	50.00
Charles J. Jones .....	County Agent .....	225.00

\*Part time.

APPENDIX IV  
THE WORK OF INSTRUCTORS 1918-1919

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>AGRICULTURAL CHEMISTRY AND SOILS</b>						
Applications of Chemistry to Agriculture (Three year course in Agriculture)	51	4	16	52	4	12
General Agricultural Chemistry .....	103	3-5	47	.....	.....	.....
Animal Nutrition .....	111	2	3	112	2	4
Food Inspection and Analysis .....	121	3-5	6	122	3-5	15
Household Chemistry .....	124	4	52	123	4	62
Elementary Soils .....	.....	.....	.....	152	5	54
Soil Fertility .....	153	2	6	154	2	9
Soil Literature .....	159	1	4	.....	.....	.....
The Chemistry of Fertilizers .....	.....	.....	.....	162	1-4	1
Research Work .....	201	5-10	2	202	5-10	5
Seminar .....	203	1	3	204	1	7
Soil Fertility (Eight Weeks Course).....	.....	.....	.....	.....	.....	79
<b>AGRICULTURAL EDUCATION</b>						
Teaching of Vocational Agriculture in Secondary Schools .....	101	3	5	101	3	10
Practice Teaching of Agriculture in Secondary Schools .....	103	2	7	103	2	14
Practice Teaching of Agriculture in Secondary Schools .....	104	2	1	104	2	8
<b>AGRICULTURAL ENGINEERING</b>						
Farm Engineering .....	101	4	18	101	4	81
Farm Structures .....	103	3	5	.....	.....	.....
Drainage .....	.....	.....	.....	106	3	10
Motor Transports .....	107	4	69	.....	.....	.....
Farm Power .....	.....	.....	.....	107	4	21
Concrete Construction .....	.....	.....	.....	108	3	4
Advanced Farm Machinery .....	110	3	4	.....	.....	.....
Special Problems .....	111	2-5	5	112	2-5	6
Dairy Buildings .....	.....	.....	.....	114	2	1
<b>THREE-YEAR COURSE</b>						
Farm Structures .....	51	4	16	.....	.....	.....
Farm Machinery .....	52	4	.....	52	4	.....
Concrete Construction .....	53	3	11	.....	.....	.....
Farm Power .....	.....	.....	.....	54	4	15
<b>EIGHT-WEEK COURSE</b>						
Farm Engineering .....	.....	.....	50	.....	.....	.....



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>AMERICAN HISTORY</b>						
History of the United States (1763-1918)	101	3	292	102	3	196
Political Parties in the United States...	109	2	14	110	2	29
Slavery Struggle—Reconstruction	111	3	10	112	3	15
Historical Research	119	2	2			
Teaching of American History	121	2	7			
Recent American History	123	3	14	124	3	14
Seminary (Graduate)	205	2	1	206	2	3
History of the United States (1763-1829)				101	3	127
History of Ohio				128	2	10
<b>ANATOMY</b>						
Comp. Anatomy (Year Course)	101	3-5	8	102	3-5	4
Comp. Anatomy (Pre-dental)				102	3	22
Comp. Embryology				104	3-5	5
Proseminar	111	1	2	112	1	2
Human Anatomy (Col. of Med.)	121	6	43	122	4	36
Visceral Anatomy				116	3	5
Comp. Anatomy (Pre-medical)	118	3	12	118	3	88
Human Anatomy (Dental)	125	6	23	126	4	21
Applied Anatomy (Med. 1), (Dental 2)	127	3	30	131	2	16
Embryology (Hu. Col. of Med.)				134	4	36
Neurology (Col. of Med.)				136	4	35
Histology and Emb. (Dent.)	139	3	23	140	3	21
Emb. (Dent.)				142	2	21
Emb. (Vet. Med.)				142	4	18
Special Advanced Anat. (Med.)				152	3	3
Vertebrate Embryology (Grad.)	201	3	1	202	3	1
Research Work (Grad.)	203	2	468	204	2	669
(Applied Optics) The Eye	145	3	3			
Histology	133	6	43			
Advanced Com. Anatomy	119	4	1	120	4	3
<b>ANIMAL HUSBANDRY</b>						
Elementary Live Stock Judging	135	4	47			40
Principles of Feeding	137	3	18			35
Horse Production and Management	139	3	11			
Beef Cattle Production and Management	141	3	8			
Swine Production and Management				143	3	31
Dairy Cattle Production and Management						
Sheep Production and Management				145	3	10
Advanced Live Stock Judging	151	3	0	147	3	17
Meats and Meat Products				153	3	7
Live Stock Markets and Marketing	155	3	5			
Animal Genetics				157	4	9
Herd Book and Pedigree Study				161	2	0

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ANIMAL HUSBANDRY—Concluded						
Research and Thesis .....	163	2-5	3	164	2-5	.....
Poultry Husbandry .....	117	3	0	118	3	2
Poultry Management .....	119	2	0	.....	.....	.....
Poultry Feeding .....	.....	.....	.....	120	1	0
Poultry Culture .....	.....	.....	.....	121	1	10
Incubator Practice .....	.....	.....	.....	122	1	3
Poultry Judging .....	.....	.....	.....	124	2	0
Types and Breeds of Live Stock .....	.....	.....	.....	132	3	13
Types and Breeds of Live Stock .....	51	4	16	52	4	20
Dairy Cattle .....	53	4	9	.....	.....	.....
Feeding .....	54	4	4	.....	.....	.....
Breeding Live Stock .....	.....	.....	.....	56	4	16
Live Stock Management .....	57	4	11	.....	.....	.....
Poultry Husbandry .....	59	3	.....	60	3	7
ARCHITECTURE						
Architectural Composition .....	113	2	7	.....	.....	.....
Professional Practice .....	.....	.....	.....	116	4	2
Sanitary Plumbing .....	117	1	3	.....	.....	.....
Thesis .....	.....	.....	.....	118	5	2
Fire Protection .....	.....	.....	.....	123	2	2
Shades, Shadows and Perspective .....	.....	.....	.....	124	3	16
Elements of Architecture .....	131	2	11	131	2	4
Elements of Architecture .....	.....	.....	.....	132	2	12
History of Architecture .....	133	3	11	.....	.....	.....
History of Architecture .....	.....	.....	.....	134	3	12
History of Architecture .....	135	2	7	.....	.....	.....
History of Architecture .....	.....	.....	.....	136	3	5
Design .....	141	5	6	141	5	4
Design .....	.....	.....	.....	142	5	7
Design .....	143	5	7	.....	.....	.....
Design .....	.....	.....	.....	144	5	4
Design .....	145	5	2	145	5	2
Design .....	.....	.....	.....	146	5	1
Ornament .....	147	0	0	.....	.....	.....
Wood Construction .....	.....	.....	.....	150	5	8
Masonry .....	151	3	2	.....	.....	.....
Photography .....	111	2	7	111	2	48
ART						
The Theory and Practice of Teaching Art .....	117	3	2	.....	.....	.....
Appreciation of Art .....	119	1	153	119	1	115
Costume Design .....	121	2	19	121	2	31
Elementary Drawing .....	131	2	102	131	2	28
Elementary Drawing .....	132	2	4	132	2	24
Advanced Drawing .....	133	2	8	133	2	9



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>ART—Concluded</b>						
Drawing from Life .....	134	3	5	134	3	1
Illustrative Drawing .....	135	4	2	135	4	5
Water Color Painting .....	136	2	4	136	2	10
Advanced Water Color .....	137	.....	.....	137	2	4
Oil Painting .....	138	.....	.....	138	3	2
Elementary Design .....	141	2	8	141	2	93
Advanced Design .....	142	3	5	142	3	3
Specialized Design .....	143	.....	.....	143	3	7
Commercial Design .....	144	.....	.....	144	3	1
Thesis Work .....	145	.....	.....	145	3	1
History of Classic Art .....	151	3	8	151	3	3
History of Medieval Art .....	152	.....	.....	152	3	5
Modern Painting and Sculpture .....	160	.....	.....	160	3	5
Life Drawing (for architects) .....	163	.....	.....	163	2	2
<b>ASTRONOMY</b>						
General Astronomy .....	101	3	39	102	3	39
Astronomy, Geodesy and Least Squares. ....	104	3	7	105	3	7
Astronomy, Geodesy and Least Squares. ....	.....	.....	.....	104	3	15
S. A. T. C., Navigation—eight sections one lecture each per week.						
<i>Note</i> —The 104 in the second semester is a special section made necessary by the S. A. T. C. and will be continued next fall as 105. This work, except part of that in S. A. T. C., was all carried by one instructor in spite of the fact that 101 and 102 and 104 (first semester) required two sections.						
<b>BACTERIOLOGY</b>						
Bacteriology for Pharmacy Students.....	.....	.....	.....	102	2	10
General Bacteriology .....	107	4	76	.....	.....	.....
Pathogenic Bacteriology .....	.....	.....	.....	108	2-5	36
Dairy Bacteriology .....	.....	.....	.....	110	2-4	18
Immunity and Serum Therapy .....	117	2	8	118	2-5	25
Special Problems in Bacteriology.....	125	3-5	6	126	3-5	3
Veterinary Bacteriology .....	131	4	17	132	4	17
Medical Bacteriology .....	141	6	37	.....	.....	.....
Dental Bacteriology .....	.....	.....	.....	150	4	21
Advanced Graduate Work in Bacteriol- ogy (Ph. D.) .....	.....	.....	.....	202	.....	1
Pathogenic Protozoa .....	119	2	5	.....	.....	.....

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>BOTANY</b>						
General Botany .....	101	3	338	102	3	224
General Dendrology .....	110	2	2	.....	.....	.....
Morphology of Lower Plants .....	123	4	8	124	3	9
Plant Physiology .....	125	4	11	126	3	13
Systematic Botany .....	129	3-5	1	130	3-5	1
Minor Investigations .....	133	3-5	7	134	3-5	7
Plant Micro-Chemistry .....	151	3	6	.....	.....	.....
Research in Physiology and Ecology .....	205	.....	1	206	.....	1
Field Botany .....	.....	.....	.....	120	3	3
Evolution of Plants .....	.....	.....	.....	136	1	3
Teaching of Botany .....	.....	.....	.....	150	3	7
<b>CERAMIC ENGINEERING</b>						
Ceramic Chemistry .....	101	4	9	102	4	11
Ceramic Calculations .....	105	2	10	.....	.....	.....
Physical and Chemical Measurements of Clays .....	.....	.....	.....	108	3	6
Laboratory Work in Ceramics .....	111	5	6	112	5	7
Ceramic Designing .....	113	5	9	114	5	9
Laboratory Work in Ceramics .....	115	2	0	126	5	0
Thesis .....	.....	.....	.....	116	4	5
Cement Manufacture .....	.....	.....	.....	118	5	0
Dryer and Kiln Design .....	.....	.....	.....	122	4	0
Ceramic Lectures—						
Origin and Properties of Ceramic Materials .....	141	3	17	.....	.....	.....
Preparation and Forming of Clay Wares .....	.....	.....	.....	142	3	13
Drying and Burning of Clay Wares .....	143	3	10	.....	.....	.....
Glazing and Decoration of Clay Wares .....	.....	.....	.....	144	3	9
Refractories .....	.....	3	5	.....	.....	.....
<b>CHEMISTRY</b>						
Elementary Chemistry .....	105	4	883	105	4	152
(401 students withdrew after first 3 weeks to enter S. A. T. C.)	.....	.....	.....	106	4	272
Elementary Chemistry .....	109	4	779	109	4	162
(341 students withdrew after first 3 weeks to enter S. A. T. C.)	.....	.....	.....	110	4	230
Special courses in Elementary Chemistry .....	6 hr.	.....	11	.....	.....	.....
Special courses in Elementary Chemistry .....	12 hr.	.....	163	.....	.....	.....
Special courses in Elementary Chemistry .....	21 hr.	.....	66	.....	.....	.....



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
CHEMISTRY—Concluded						
Physical Chemistry .....	113	2	31	114	2	67
Qualitative Analysis .....	117	3	9	119	3	33
Quantitative Analysis .....	119	3	81	120	4	65
Chemical Problems .....	121	.....	7	124	1	42
Organic Chemistry .....	124	1	41	127	4	73
Teaching of Chemistry (Not Given in 1918-19) .....	127	4	73	132	2	.....
Reading of Chemical Literature .....	.....	.....	.....	136	2	13
Thesis .....	.....	.....	.....	140	4	11
Pre-medical Organic Chemistry .....	150	3-4-5	120	150	3-4-5	15
Organic Chemistry .....	151	2	37	151	2	12
Organic Chemistry .....	.....	.....	.....	152	2	25
Organic Chemistry .....	153	2-3	25	153	2-3	14
Organic Chemistry .....	.....	.....	.....	154	2-3	20
Quantitative Organic Analysis .....	155	2	9	156	2	6
Physical Chemistry .....	157	3	17	158	3	33
Physical Chemistry .....	159	3	4	161	2-3	6
Physical Chemistry .....	161	2-3	6	.....	.....	.....
Quantitative Analysis (No class in 1918-1919) .....	165	2	.....	.....	.....	.....
Qualitative Analysis (No class, 167, in 1918-1919) .....	167	3-5	.....	168	3-5	15
Water Analysis .....	.....	.....	.....	176	3	18
Industrial Chemistry .....	177	2	16	177	2	18
Industrial Chemistry .....	178	1	8	178	1	2
Industrial Inspection Trip .....	.....	.....	.....	182	1	19
Industrial Chemistry .....	185	2	10	185	2	14
Industrial Chemistry .....	.....	.....	.....	186	3	7
Inorganic Preparations .....	187	3	7	187	3	9
Physical Chemistry .....	201	3	1	202	3	3
Organic Chemistry .....	205	2-3	4	206	2-3	2
Inorganic Preparations .....	209	3	2	210	3	2
Historical Chemistry .....	213	2	3	.....	.....	.....
Seminary in Organic Chemistry .....	215	2	2	216	2	4
Seminary in Industrial Chemistry .....	225	2	2	226	2	9
Research Work .....	235	5-10	9	236	.....	10
CIVIL ENGINEERING						
S. A. T. C. Surveying and Map Making .....	.....	4	175	.....	.....	.....
Land Surveying .....	101	3	29	.....	.....	.....
Topographic Surveying .....	105	3	11	.....	.....	.....
Applied Descriptive Geometry .....	107	2	14	.....	.....	.....
Sanitary Engineering .....	109	3	18	.....	.....	.....
Bridge Design .....	113	4	14	.....	.....	.....
Masonry Construction .....	115	3	14	.....	.....	.....
Trusses .....	124	3	11	.....	.....	.....

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
CIVIL ENGINEERING—Concluded						
Tall Buildings (Stopped Oct. 11).....	125	3	15			
Concrete Structural Design .....	210	5	1			
Land Surveying .....				101	4	15
Field Practice .....				101a	1	14
Railroad Surveying .....				102	4	24
Field Practice .....				102a	1	24
Topographic Drawing .....				103	2	19
Roads and Pavements .....				106	3	21
Timber Construction .....				108	3	16
Stresses in Structures .....				110	4	16
Advanced Bridge Design .....				114	4	10
Masonry Structures and Contracts.....				116	3	12
Water Supply .....				117	3	21
Cement and Concrete .....				118	3	6
Thesis .....				122	3	13
Trusses .....				124	4	13
Timber and Masonry .....				126	2	18
Plane Surveying .....				128	2	49
Concrete Design .....				129	3	15
Cement and Concrete .....				130	2	4
Sanitary and Water Supply Design.....				140	3	2
River Regulation and Improvement.....				206	5	1
DAIRYING						
Principles of Dairying .....	101	4	30	101	4	52
Farm Dairying .....				102	4	15
City Milk Supply .....				103	2-4	
Buttermaking .....	105	4	3	105	4	4
Cheesemaking .....	107	3	2	107	3	5
Ice Cream Making .....				110	2	
Advanced Dairying .....	113	2	3	114	2	5
Dairy Buildings .....	115	2	4			
Milk Condensing .....				116	2	
Dairy Herd Management .....	121	9		121	9	
Proseminary .....	119	1	2	120	1	1
Advanced Dairying .....	202	5		202	5	2
Elementary Dairying .....	52	3		52	3	20
Dairy Production and Manufacturing...	53	3		53	3	
Farm Cheesemaking .....	55	3				
Farm Buttermaking .....				56	3	
Dairy Farm Management .....	57	3		58	3	
DENTISTRY (Operative and Prosthetic)						
Prosthetic Dentistry .....	101	4	53	102	5	28
Operative Dental Anatomy Technic.....	145	3	50	145	3	6
Operative Technic .....	109	2	16	110	2	16



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
DENTISTRY—Concluded						
Prosthesis Dental Metallurgy .....	132	1	17	104	2	18
Prosthetic Dentistry .....	103	1	17	106	1	17
Prosthesis Crown and Bridge Technic...	105	1	17	132	2	26
Operative Dental Medicine .....	131	1	26			
Operative Oral Hygiene .....	135	3	26			
Operative Principles, Practice, Exodontia, X-Ray (Three Sections) .....	125	3	27	126	3	25
Prosthesis Crown and Bridge Work, Technic, Practice .....	107	3	26	112	3	25
Dental Pathology .....				144	2	25
Prosthetic Dentistry Practice .....	117	2	26	118	2	25
Operative Anesthesia .....	139	2	14	140	2	14
Operative Ethics, Economics, History, Juris. ....	141	1	15	142	1	15
Operative Dental Medicine .....	133	2	14	134	2	15
Operative Oral Surgery .....	137	2	14	138	3	15
Operative Orthodontia Principles, Practice .....	121	2	14	122	1	16
Operative Principles and Practice.....	127	5	17	128	6	18
Crown and Bridge Practice.....	115	2	15	116	2	16
Prosthetic Dentistry Practice .....	119	2	15	120	2	16
ECONOMICS AND SOCIOLOGY						
<i>Economics</i>						
Principles of Economics .....	101	3	193	102	3	269
Elementary Economics—S. A. T. C....			142			
Principles of Economics .....	102	3	20	101	3	164
Factory Organization and Management.	107	3	9	108	3	11
Pro-Seminary in Economics .....				146	2	6
Business Law .....	149	3	20	150	3	20
Economic and Social Statistics .....	177	2	19	178	2	19
Marketing .....	185	3	20	186	3	20
Research in Economic and Social Statistics .....				216	2	1
Public Utilities .....	105	2	10			
Principles of Salesmanship .....	109	3	13			
Women in Industry .....	119	3	12			
Principles of Social Geography.....	132	3	76			
Elements of Accounting .....	139	3	55			
Commercial Bookkeeping—S. A. T. C....			53			
Public Finance .....	141	2	15			
Banking and Foreign Exchange.....	154	3	16			
International Commercial Policies.....	160	3	10			
Corporation Economics .....	163	3	21			
Labor Legislation .....	165	3	14			
The Theory of Business Enterprise.....	169	2	13			
Cost Accounting .....	172	3	8			

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>ECONOMICS AND SOCIOLOGY</b>						
<i>Economics—Concluded</i>						
Corporation Reports .....	189	2	20	.....	.....	.....
Conservation of Natural Resources .....	.....	.....	.....	104	2	19
Municipal Finance and Accounts.....	.....	.....	.....	106	2	14
The Household .....	.....	.....	.....	120	3	33
Investments .....	.....	.....	.....	128	2	19
Economic Geography .....	.....	.....	.....	133	3	70
Elements of Accounting .....	.....	.....	.....	139	3	75
Problems of Taxation .....	.....	.....	.....	144	2	11
Business Law .....	.....	.....	.....	149	3	34
Money and the Medium of Exchange....	.....	.....	.....	153	3	31
Property Insurance .....	.....	.....	.....	158	2	13
Exporting and Importing .....	.....	.....	.....	162	3	26
The Organization and Remuneration of Labor .....	.....	.....	.....	166	3	16
Railway Organization and Administration .....	.....	.....	.....	168	3	33
Theory of Prices .....	.....	.....	.....	170	2	12
Principles of Accounting .....	.....	.....	.....	171	3	62
Accounting Practice .....	.....	.....	.....	173	3	11
Auditing .....	.....	.....	.....	174	3	21
Principles of Advertising .....	.....	.....	.....	175	3	22
Industrial Combination and Monopolies..	.....	.....	.....	183	3	12
Geography and Commerce of the United States .....	.....	.....	.....	184	3	25
Traffic Management and Rate Making...	.....	.....	.....	188	2	5
Bank Accounting and Auditing .....	.....	.....	.....	190	2	18
<i>Sociology</i>						
Principles of Sociology .....	101	3	256	102	3	239
Principles of Sociology .....	102	3	16	101	3	61
Field Work in Sociology .....	115	4	7	116	4	9
Proseminary in Sociology .....	117	2	4	118	2	5
The Family .....	107	3	27	.....	.....	.....
Evolution of Modern Charity .....	109	4	16	.....	.....	.....
Social Causes and Consequences of War.	119	3	15	.....	.....	.....
Social Order and Social Control .....	125	3	13	.....	.....	.....
Leisure and Recreation .....	127	3	26	.....	.....	.....
The Criminal .....	131	3	16	.....	.....	.....
The Immigrant .....	.....	.....	.....	104	3	13
Primitive Man in Ohio .....	.....	.....	.....	108	1	9
Preventive Philanthropy .....	.....	.....	.....	112	4	15
Recent Socialism and Social Reform....	.....	.....	.....	114	3	8
Social Progress .....	.....	.....	.....	126	3	22
Social Organization and Administration of Recreational Facilities .....	.....	.....	.....	128	3	22
Penology .....	.....	.....	.....	132	3	12



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>ELECTRICAL ENGINEERING</b>						
Electrical Engineering .....	101	5	23	.....	.....	.....
Electrical Engineering .....	103	2	2	103	2	2
Direct Current Machinery .....	.....	.....	.....	104	4	17
Applications of Electricity .....	.....	.....	.....	106	1½	16
Alternating Current Circuits and Machinery .....	.....	.....	.....	108	1½	16
Alternating Current Machinery .....	109	3	25	.....	.....	.....
Alternating Current Laboratory .....	111	3	21	.....	.....	.....
Advanced Alternating Current Laboratory .....	.....	.....	.....	112	3	23
Electric Railways .....	113	2	17	.....	.....	.....
Telephony .....	115	2	11	.....	.....	.....
Electric Illumination .....	117	2	6	.....	.....	.....
Wireless Telegraphy .....	119	2	5	.....	.....	.....
Electrical Design .....	121	3	25	.....	.....	.....
Electrical Transmission and Distribution .....	.....	.....	.....	124	3	22
Special Reading and Laboratory .....	125a	2	1	126a	2	1
Special Reading and Laboratory .....	125b	2	1	.....	.....	.....
Thesis .....	127	1	5	128	5	23
Inspection Trip, Senior .....	.....	.....	.....	130	.....	20
Inspection Trip, Junior .....	.....	.....	.....	131	.....	19
Reading Course .....	.....	.....	.....	136	.....	3
Transient Electric Phenomena .....	.....	.....	.....	203	2	1
Advanced Alternating Current Dynamo Laboratory .....	205	3	1	206	3	1
Research Work .....	207	2	1	208	5	2
<b>ENGINEERING DRAWING</b>						
Elementary Mechanical Drawing .....	101	2	173	.....	.....	.....
Elementary Mechanical Drawing, (S. A. T. C.) .....	101	2	131	.....	.....	.....
Elementary Mechanical Drawing, (S. A. T. C.) Quit Dec. 11. ....	.....	12	307	.....	.....	.....
Elementary Mechanical Drawing .....	.....	.....	.....	101	2	117
Mechanical Drawing .....	.....	.....	.....	102	3	234
Descriptive Geometry .....	103	3	149	.....	.....	.....
Descriptive Geometry .....	.....	.....	.....	103	3	63
Machine Drawing .....	.....	.....	.....	104	3	94
Advanced Descriptive Geometry .....	.....	.....	.....	106	3	25
Technical Drawing .....	110	2	12	.....	.....	.....
Technical Drawing .....	111	2	36	.....	.....	.....
Technical Drawing .....	.....	.....	.....	121-2	4	23
Mechanical Drawing .....	.....	.....	.....	125	2	28
Mechanical Drawing .....	127	1½	54	.....	.....	.....
House Planning .....	.....	.....	.....	128	1½	51
Elementary Drawing .....	.....	.....	.....	129	1	1

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ENGINEERING DRAWING—Concluded						
The Teaching of Mechanical Drawing...	131	3	2	132	3	4
Mech. Drawing for Manual Training Teachers .....				139	3	4
Descriptive Geometry 105 and 107 were given as 103 Mech. Drawing 125 (Agr.) given as 101 first semester.						
ENGLISH						
English Composition: Short Course in Agriculture .....	91	2	16	92	2	20
Paragraph Writing: Descriptive and Narration .....	101	2	1242	101	2	334
Paragraph Writing: Exposition and Argumentation .....	104	2	152	104	2	849
Descriptive and Narrative Writing .....	105	2	34			
Expository Writing .....	107	2	35	106	2	34
Advanced Composition .....	107	2	35	108	2	42
History of the English Language.....	127	2	80			
English Words .....				128	2	112
Introduction to American Literature....	133	3	141	133	3	171
Nineteenth Century Prose .....	145	3	87	146	3	160
Nineteenth Century Poetry .....	141	3	177	142	3	203
Literature and Composition .....				144	3	2
Chaucer and His Contemporaries and Successors .....				153	3	10
English Medieval Literature to Chaucer	154	3	10			
The Novel: Richardson to Scott.....	155	3	33			
The Novel: Dickens to Meredith .....				156	3	49
Versification .....	157	3	8			
The Short Story .....				158	3	16
Eighteenth Century Poetry .....				136	3	23
Dr. Johnson and His Circle .....	137	3	18			
Shakespeare: Histories and Tragedies...	167	3	50			
Shakespeare: Comedies and Romances...				168	3	60
Modern English Drama 1642-1800.....	169	3	25			
Modern English Drama of the Nineteenth Century .....				170	3	36
The Teaching of English .....	181	2	27			
History of the Short Narrative in English .....	201	2	6			
The Lyric .....				202	2	8
History of Critical Theory .....	205	2	6			
Problems in the Drama .....				206	2	8
The Later Novel .....	207	2	9			
The Later Poetry .....				208	2	12
English and Scottish Popular Ballads...	209	2	10			
English Usage .....				210	2	7
The Technique of the Drama.....	213	2	10			



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ENGLISH—Concluded						
The Technique of the Modern Drama...	219	2	3	214	2	10
Discussion of Dissertations .....	220	2	3	220	2	3
<i>Public Speaking</i>						
Public Speaking .....	101	2	65	102	2	77
Debating .....	107	3	2	114	2	11
Advanced Argumentation and Debate...	125	2	11	126	2	10
Extempore Speaking .....	151	2	4	152	2	4
Forms of Public Address .....						
Special Problems in the Theory of Public Speaking .....						
EUROPEAN HISTORY						
War Issues .....		3	518		3	63
War Issues .....	101	3	365	101	3	78
Medieval History .....				102	3	267
Medieval History .....	103	3	34	104	3	31
Modern History from 1500 A. D. ....	105	3	18	106	3	48
History of England .....						
History of England .....	109	2	11			
History of Greece .....				110	2	19
History of Rome .....	117	2	11			
The Age of the Renaissance, 1250-1500, A. D. ....				118	2	22
The Period of the Reformation .....	123	3	27	124	3	20
Northeastern Europe .....				122	2	52
Europe and Asia: The Far Eastern Question .....	203	2	7	152	2	8
Europe from 1815 to 1919 .....				204	2	5
Europe from 1815 to 1919 .....						
History of France .....						
The Teaching of European History ..						
Seminary in Modern European History..						
Seminary in Modern European History..						
FARM CROPS						
Field Crop Production .....	101	4	21	101	4	33
Forage Crops .....				111	3	12
Crop Ecology .....	123	2	4			
Special Crops .....	119	4	1	112	2	5
Minor Investigations .....	109	3	2	120	2-4	2
Cereal Crops .....						
Farm Crops and Grain Judging (8 weeks) .....			59			
Dairy Farm Crops (4 weeks) .....			31			
Plant Breeding .....				113	3	2
Research .....				202	5	1

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>GEOLOGY</b>						
Physiography .....	101	3	125	102	3	109
Inorganic Geology .....	103	3	19			
Historical Geology .....				104	3	23
Glacial Geology (Grad. student) .....				106	3	1
Invertebrate Paleontology .....	107	3	2	108	3	1
Areal Geology .....	113			114		
Minor Investigations .....	141			142	3	3
Geology (Agricultural students) .....	151	3	32	151	3	79
Petrography (Mining Engineers) .....				166	2	1
Economic Geology (Engineers) .....	167	3	1	170	3	7
Geology (Civil and Ceramic Eng.) .....	168	3	12	168	3	16
Meteorology (Agricultural) .....				101	2	8
<b>GERMAN</b>						
Elementary German .....	101	4	7	101	4	4
Elementary German .....	102			102	4	12
Intermediate German .....	103	4	26	103	4	10
Easy Classical Reading and Composition .....	104	4	5	104		
Science Reading .....	106			106	4	41
Schiller .....	117	2	10	118	2	10
19th Century Drama .....	119	2	5	120	2	6
Survey of German Literature .....	153	3	8	154	3	5
<b>GREEK</b>						
Elementary Greek .....	101	4	3	102	4	2
Plato .....	125	4	3			
Homer .....				126	4	2
Greek Art .....	115	2	4	116	2	9
Life and Literature of the Greeks .....	123	2	4	124	2	5
Attic Drama .....				112	2	1
Sanskrit as introduction to Historical Greek Grammar .....				Spl.	2	1
<b>HISTORY AND PHILOSOPHY OF EDUCATION</b>						
History of Education .....	101	3	101	102	3	98
History of Education .....	102	3	3	101	3	6
History of Ed. in the United States .....	109	2	3	110	2	2
<b>HOME ECONOMICS</b>						
Textiles .....	111	2	117	112	3	98
The House .....	118	3	33	118	3	25
The House .....	119	3	19	119	3	34
Foods .....	101	5	83	102	5	77



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
HOME ECONOMICS—Concluded						
Practice Teaching (Agriculture) . . . . .	123	2	13	124	2	11
Observation, Criticism and Practice (Educ.) . . . . .	104	3	3	104	3	11
Teaching of Home Economics . . . . .				108	2	40
Dietetics . . . . .				110	4	47
Sanitation . . . . .	104	3	19	104	3	39
Food Problems . . . . .	121	3	6			
Dress . . . . .	113	3	14	113	3	10
Dress . . . . .				116	3	13
HOMEOPATHIC MEDICINE						
Materia Medica . . . . .	101	1	15	102	1	10
Materia Medica . . . . .	103	1	8	104	1	7
Surgery . . . . .	101	2	8			
Materia Medica . . . . .				110	2	7
Clinical Diagnosis . . . . .				102	2	7
Clinical Diagnosis . . . . .	103	4	2	104	4	2
Clinical Diagnosis . . . . .	107	2	2	108	2	2
Clinical Diagnosis . . . . .	109	1	2	110	1	2
Materia Medica . . . . .	107	3	11	108	3	11
Clinical Diagnosis . . . . .	111	1	11	112	1	11
Eye, Ear, Nose and Throat . . . . .	107	4	11	108	4	11
Internal Medicine . . . . .	107	4	11	108	4	11
Gynecology . . . . .	107	7	11			
Obstetrics . . . . .				108	4	11
Internal Medicine . . . . .	123	1	11	124	1	11
Internal Medicine . . . . .				114	1	11
Surgery . . . . .	107	4	11	108	4	11
HORTICULTURE						
Principles of Horticulture . . . . .	101	4	7			
Small Fruits and Grapes . . . . .				120	4	3
Pomology . . . . .	105	4	7	106	4	12
Plant Variations . . . . .	107	3	5			
Farm Horticulture . . . . .				118	4	61
Commercial Vegetable Gardening . . . . .	103	4	10	104	4	11
Systematic Vegetable Gardening . . . . .	131	4	1			
Greenhouse Construction and Management . . . . .				132	4	6
Garden Flowers . . . . .	145	4	3			
Flower Shop . . . . .				143	4	7
Conservatory and Bedding Plants . . . . .				144	4	3
Landscape Architecture . . . . .				156	2	11
Plant Materials . . . . .	151	2	2			
Farm Woodlot . . . . .	180	4	3			
Research . . . . .	201		1	202		1

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>HORTICULTURE—Concluded</b>						
Principles of Horticulture .....	53	4	7	54	4	7
Vegetable Gardening .....	55	4	9	56	4	13
Horticulture, 8 weeks .....				19		
Vegetable Gardening, 8 weeks .....				10		
Floriculture, 8 weeks .....				11		
<b>INDUSTRIAL ARTS</b>						
Carpentry .....	101	2	98	101	2	31
Forging .....	103	2	63	103	2	40
Foundry .....	105	2	35	105	2	11
Chipping and Filing .....	107	2	30	107	2	5
Joinery and Pattern Work .....	109	2	38	109	2	23
Advanced Pattern Work .....	111	1	18	111	1	12
Cabinet Making .....	113	2	.....	113	2	.....
Forging .....	115	2	8	115	2	12
Advanced Forging .....	118	2	.....	118	2	1
Machine Work .....	119	3	41	119	3	32
Advanced Machine Work .....	121	3	20	121	3	20
Advanced Machine Work .....	123	2	.....	123	2	.....
Construction Work .....	125	2	.....	125	2	.....
Tool Making and Jig Work .....	127	3	.....	127	3	.....
Advanced Pattern Making .....	130	3	.....	130	3	.....
Carpentry .....	51	2	16	51	2	.....
Forging .....	52	2	.....	.....	.....	20
<b>INDUSTRIAL EDUCATION</b>						
Teaching of Manual Training .....	111	3	0	.....	.....	.....
Materials, Methods and Equipment .....	.....	.....	.....	112	3	0
Constructive Design .....	117	2	2	.....	.....	.....
Constructive Design .....	.....	.....	.....	117	2	2
Constructive Design .....	.....	.....	.....	118	2	1
Handwork for Supervisors .....	121	2	9	.....	.....	.....
Handwork for Supervisors .....	.....	.....	.....	121	2	21
Handwork for Supervisors .....	.....	.....	.....	122	2	3
Elementary Woodwork .....	125	2	1	.....	.....	.....
Elementary Woodwork .....	.....	.....	.....	125	2	2
Wood Turning and Pattern Making .....	127	3	5	.....	.....	.....
Wood Turning and Pattern Making .....	.....	.....	.....	127	3	3
Wood Turning and Pattern Making .....	.....	.....	.....	128	3	3
Cabinet Making .....	129	2	2	.....	.....	.....
Cabinet Making .....	.....	.....	.....	129	2	2
Advanced Cabinet Work .....	131	3	1	.....	.....	.....
<b>JOURNALISM</b>						
News-Collecting and News-Writing .....	101	3	43	101	3	16
News-Collecting and News-Writing .....	102	3	7	102	3	25



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
JOURNALISM—Concluded						
Newspaper Practice .....	105	3	8	105	3	8
Newspaper Problems .....	109	2	4	110	2	5
Newspaper Ethics and Principles.....	113	2	8	.....	.....	.....
Newspaper History and Organization...	111	3	9	112	3	7
Newspaper Mechanics and Illustration..	.....	.....	.....	114	2	6
The Country Newspaper .....	115	2	5	116	2	6
Comparative Journalism and News Interpretation .....	117	.....	4	.....	.....	.....
Newspaper Jurisprudence and News Interpretation .....	.....	.....	.....	118	3	5
Newspaper Practice .....	.....	.....	.....	106	3	7
LATIN						
Cicero, Horace, Livy, Aulus, Gellius....	101	4	21	102	4	15
Tacitus, Pliny, Catullus; Latin Comedy...	103	3	8	104	3	9
Roman Satire, Roman Philosophy and Rhetoric .....	105	2	6	106	2	5
Roman Private Life .....	107	1	5	108	1	3
Roman Art and Archaeology .....	109	2	3	110	2	.....
Roman and Comparative Literature.....	111	1	12	112	1	8
Pro-Seminary .....	113	3	9	114	3	8
Latin Prose Composition .....	115	3	7	116	3	5
Advanced Prose Composition .....	119	2	2	120	2	2
Roman Prose Authors, Roman Poets....	121	2	3	122	2	3
Hist. Latin Grammar, Sounds and Forms	123	1	4	124	1	3
Hist. Latin Grammar, Syntax.....	125	1	6	126	1	3
Methods of Teaching Latin: Practice in Sight Reading .....	129	2	7	130	2	5
Elementary Latin and Caesar .....	147	4	3	148	4	3
Cicero: Vergil .....	149	4	.....	150	4	5
Epigraphy and Palaeography .....	213	3	.....	214	3	.....
Lucretius: DeRerum Natura .....	.....	.....	Spl.	.....	2	1
LAW						
Agency .....	.....	.....	.....	.....	2	15
Evidence .....	.....	.....	.....	.....	2	13
Public Corporations .....	.....	.....	.....	.....	2	7
Practice .....	.....	.....	.....	.....	2	5
Legal Ethics, 5 Lectures .....	.....	.....	.....	.....	.....	4
Law Lectures, Vet. College.....	.....	.....	.....	.....	1	37
Domestic Relations .....	.....	.....	.....	.....	2	14
Equity .....	.....	.....	.....	.....	2	12
Suretyship .....	.....	.....	.....	.....	2	8
Private Corporations .....	.....	.....	.....	.....	2	6
Torts .....	.....	.....	.....	.....	3	14
Partnership .....	.....	.....	.....	.....	2	14

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
LAW—Concluded						
Const. Law .....					2	5
Contracts .....					3	16
Bailments .....					2	15
Sales .....					2	13
Property II .....					2	14
Mortgages .....					2	14
Property IV B (Wills) .....					2	14
Property VI B .....					2	5
MATHEMATICS						
Mathematics for Students in Agriculture	107	3	78	107	3	52
College Algebra and Trigonometry.....	121	3	85			
Plane Trigonometry and Analytic Geometry .....				122	3	88
History of Elementary Mathematics.....				126	2	2
Analytic Geometry and Calculus .....	128	3	3	128	3	1
Mathematics of Finance and Insurance..	129	3	9	129	3	2
Mathematics of Finance and Insurance..				130	3	6
College Algebra and Plane Trigonometry .....	131	5	*392	131	5	80
Plane Trigonometry and Analytic Geometry .....	132	5	14	132	5	224
Graphical and Statistical Methods .....	135	3	1	135	3	1
Differential Calculus .....	141	5	110	141	5	77
Integral Calculus .....	142	5	11	142	5	99
Modern Elementary Geometry .....				150	3	2
Differential Equations .....	167	3	8	168	3	10
Projective Geometry .....	171	3	6	172	3	6
Modern Higher Algebra .....	173	3	1			
Probability .....				181	3	1
Fundamental Ideas of Algebra and Geometry .....	185	2	1			
Teaching of Mathematics .....				186	2	5
Theory of Functions of a Complex Variable .....				201	3	1
Infinite Series and Products .....				217		1
*Note—170 S. A. T. C. students of this class left the University in December.						
MECHANICS						
Statics and Strength of Materials.....	101	5	96			
Statics and Strength of Materials.....				101	5	45
Strength of Materials .....				104	2	9
Strength of Materials, Kinetics and Hydraulics .....				102	5	72



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>MECHANICAL ENGINEERING</b>						
Mechanism .....	101	3	25			
Steam Power Plants .....	103	3	26	104	4	19
Heat Power Engineering .....	105	3	28	106	3	17
Steam Engineering .....	107	3	26			
Mechanism and Machine Design .....				110	3	5
Mechanism .....				114	3	21
Mechanism Drawing .....				116	1	16
Heating and Ventilating .....	121	3	3			
Materials of Construction .....	123	2	2			
Gas Engines and Producers .....	125	2	12			
Machine Design—Chem. Engrs. ....			8			
Mech. Engrs. ....	127	5	12	144	5	20
Thermodynamics .....	129	2	11			
Inspection Trip .....				130		10
Reading Course .....				134		1
Hydraulic Machinery .....				142	2	21
Steam Turbines .....				146	2	9
Thesis Work .....				148	3	11
Hydraulic Power .....				150	3	10
Experimental Engineering Laboratory..	173	5	12	160	2	18
Experimental Engineering Laboratory..	175	3	25	164	2	19
Experimental Engineering Laboratory..	179	2	11	190	6	10
Experimental Engineering Laboratory..				192	3	9
Machine Design (Dept. of Industrial Arts) .....				112	2	24
<b>MEDICINE</b>						
Medicine, General and Clinical .....	101	5	25	102	5	24
Physical Diagnosis .....				104	2	32
Nervous Diseases .....	106	2	25			
Dermatology .....				108	2	24
Genito—Urinary Diseases .....				126	2	24
Medicine, General and Clinical .....	113	2	16	114	2	16
Psychiatry .....				118	1	16
Pediatrics, Didactic and Clinical .....	121	3	16			
Pediatrics, Clinical Conference .....				122	1	16
Hospital Ward Clinics in Medicine.....	101	2	16	102	2	16
<b>METALLURGY</b>						
Metallurgical Analysis .....				106	4	3
Alloy Analysis .....	107	3	1			
Fuel .....	117	2	92			
Iron and Steel .....	119	2	86			
Ore Dressing .....				113	2	2
Metallography .....	123	3		120	2	2
Pyrometry .....	125	1	4			

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
METALLURGY—Concluded						
Fire Assaying .....	105	2	1	.....	.....	.....
Ceramic Chemistry .....	.....	.....	.....	101	4	10
Ceramic Chemistry .....	102	4	12	.....	.....	.....
MILITARY SCIENCE AND TACTICS						
Military Science and Tactics.....	Course not given.			1	1	636
Military Science and Tactics.....	Course not given.			2	1	325
Student Officers' Course .....	Course not given.			.....	.....	10
MINE ENGINEERING						
Mine Surveying .....	103	4	15	.....	.....	.....
Mine Engineering .....	105	5	1	.....	.....	.....
Special Mining .....	.....	2	1	.....	.....	.....
Mine Trip .....	109	1	4	.....	.....	.....
Iron and Steel (Metallurgy) .....	119	3	38	.....	.....	.....
Plans and Specifications .....	.....	.....	.....	104	4	2
Mine Engineering .....	.....	.....	.....	106	5	2
Mine Engineering .....	.....	.....	.....	105	5	1
Mine Trip .....	1	.....	.....	110	1	6
Ventilation Control and Safety Appliances .....	.....	.....	.....	120	2	2
Thesis .....	.....	.....	.....	116	3	2
MINERALOGY						
Crystallography and Descriptive Mineralogy .....	102	3	8	.....	.....	.....
Crystallography and Descriptive Mineralogy (3 sections) .....	102	.....	.....	102	3	32
Determinative Mineralogy .....	.....	.....	.....	104	3	4
Physical Chemical Mineralogy .....	105	2	5	.....	.....	.....
Microscopic Mineralogy .....	121	3	1	121	3	2
OBSTETRICS						
Obstetrics (105-6) .....	105	2	17	106	3	16
Obstetrics (102) .....	.....	.....	.....	102	2	24
PATHOLOGY						
General Pathology .....	135	3	35	.....	.....	.....
Clinical Pathology .....	119	2	24	.....	.....	.....
Neuropathology .....	129	1	2	.....	.....	.....
General Pathology .....	.....	.....	.....	109	7	41
Clinical Pathology .....	.....	.....	.....	120	3	24



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
PATHOLOGY—Concluded						
Surgical Pathology .....	127	3	1	103	2	17
Advanced Pathology .....	107	.....	35	128	3	1
Demonstration of Necropsies .....	107	.....	35	107	.....	41
PHARMACY						
Theory and Practice of Pharmacy (S. A. T. C.) .....	101	4	13	.....	.....	.....
Theory and Practice of Pharmacy .....	101	4	17	112	5	23
Pharmaceutical Chemistry .....	103	5	16	.....	.....	.....
Extemporaneous Pharmacy and Prescription Work .....	.....	.....	.....	104	5	14
Materia Medica .....	105	3	14	106	18	18
Pharmaceutical Assaying .....	107	5	4	108	5	5
Pharmacognosy (Microscopical) .....	109	3	16	110	3	10
Pharmacognosy (Microscopical) advanced .....	111	3	9	112	3	5
Pharmaceutical Problems .....	113	1	19	113	1	7
Physiological and Pathological Reagents, etc. ....	.....	.....	.....	116	2	16
Prescription Latin .....	119	4	10	.....	.....	.....
Pharmacognosy (Commerical) .....	.....	.....	.....	120	3	11
Commercial Pharmacy .....	.....	.....	.....	122	2	12
Current Literature .....	.....	.....	.....	124	1	10
Materia Medica (Medical) .....	131	2	32	132	3	28
Chemistry Quantitative (Laboratory work) .....	121	9	7	.....	.....	.....
PHILOSOPHY						
Introduction to Philosophy and Int. Logic .....	101	3	93	102	3	109
Introductory Logic and Intridic to Philosophy .....	102	3	19	101	3	101
Elementary Ethics .....	105	3	42	106	3	40
History of Philosophy .....	107	3	13	108	3	28
Advanced Logic .....	113	2	6	114	2	4
Aesthetics .....	115	2	17	116	2	10
Philosophy of Values .....	.....	.....	.....	132	3	3
Political and Social Philosophy .....	.....	.....	.....	134	3	23
Introduction to Metaphysics .....	.....	.....	.....	144	2	10
Philosophy of History .....	146	3	5	.....	.....	.....
Pragmatism .....	.....	.....	.....	150	2	7
Seminary .....	.....	.....	.....	202	2	4

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>PHYSICS</b>						
General Physics .....	103	4	41	104	4	41
General Physics .....	105	4	62	105	4	40
Physics for Students in Agriculture....	109	3	28	106	4	62
General Physics (C. E., Chem. Cer., Mines) .....	111	3	63	109	3	78
General Physics .....	112	3	57	111	3	49
General Physics (E. E., M. E.).....	113	5	40	113	5	32
General Physics .....	114	4	29	114	4	29
Physics Problems .....	115	2	1	116	2	6
General Physics (Architecture) .....	117	2	2	118	2	1
General Physics .....	119	3	24	119	3	24
Physical Laboratory .....	121-3	3-5	3	122-4	3-5	3
Physical Laboratory .....	125	5	18	125	5	22
Physical Laboratory (E. E.).....	133	2	26	134	4	32
Electrical Measurements (E. E.).....	135	5	30?*	135	5	1
Electrical Measurements and Photometry	138	2	28	138	2	28
Physical Laboratory (M. E.).....	148	3	3	148	3	3
Conduction of Electricity through Gas and Radio Activity .....	207	3	3	207	3	3
<b>S. A. T. C.—</b>						
Air Service A.....			58			
Air Service B.....			25			
Air Service C.....			29			
Air Service D.....			36			
Ordnance A.....			14			
Ordnance B.....			14			
<b>PHYSICAL EDUCATION</b>						
<i>Women's Department</i>						
Physical Education (Freshman Requirement, 4 hrs. per week) .....	131	1	362	132	1	360
Physical Education (Sophomore requirement, 4 hrs. per week) .....	133	1	290	134	1	275
<i>Men's Department</i>						
Physical Education (Freshman Requirement, 2 hrs. per week) .....	101	1	317	102	1	723
<b>POLITICAL SCIENCE</b>						
Government in the United States .....	133	3	72	133	3	43
Government in the United States .....	134	3	70	134	3	70
Problems in International Politics .....	114	2	8	114	2	8
Introduction to Jurisprudence .....	125	3	6	125	3	6
International Law .....	126	3	16	126	3	16



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Course Number	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>POLITICAL SCIENCE—Concluded</b>						
Municipal Government .....	106	3	16	130	3	16
Municipal Functions .....	131	2	4	132	2	17
Legislation .....	115	2	3	116	2	3
Administration .....	117	2	2	118	2	2
History of Political Theories .....	151	2	4	152	2	7
Proseminar in Political Science .....	201	2	2	202	2	2
Methods of Governmental Research .....						
Research in Political Science .....						
<b>PRINCIPLES OF EDUCATION</b>						
Principles of Education 101 .....	101	3	89	101	3	30
Observation, Criticism and Practice .....	104	3	21	104	3	54
Biological Principles in Education .....	105	3	19	106	3	23
Plant, Animal and Human Behavior .....						
<b>PSYCHOLOGY</b>						
Elementary Psychology .....	101	3	602	102	3	375
Elementary Psychology .....	102	3	44	101	3	206
Educational Psychology .....	107	2	70	108	2	75
Educational Psychology .....	108	2	10	107	2	11
Experimental Psychology .....	111	3	12	112	3	6
Mental and Social Measurements .....				114	2	9
Genetic Psychology and Child Study .....	115	2	9	116	2	10
Abnormal Psychology .....	121	4	8	122	4	17
The Defective Child .....				124	2	6
Psycho-Pathology .....				126	3	10
Social Psychology and Folk Psychology .....	125	3	18	127	2	22
Advertising and Industrial Psychology .....	128	2	20	130	2	2
Advanced Psychology .....	129	2	4	134	3	7
Mental Tests .....	133	3	6	142	2-4	2
Minor Research .....	141	2-4	1			
The Psychological Clinic .....	147	1-2	2	150	2	4
Physiological Psychology .....	149	2	3			
Treatment of Exceptional Children .....	155	2	4	202	3 or more	6
Major Research .....	201	3 or more	5			
<b>ROMANCE LANGUAGES</b>						
<i>French</i>						
Elementary French .....	101	4	1671	102	4	560
Modern French Literature .....	103	4	322	104	4	247
Elementary French .....				101	4	256
Science Reading .....				106	4	13
Advanced Prose Composition and Conversation .....	107	2	49			
History of French Literature .....				108	2	23

## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>ROMANCE LANGUAGES</b>						
<i>French—Concluded</i>						
Seventeenth Century French Drama....	109	3	60	110	3	55
Seventeenth Century Tragedy and Prose	111	2	14	112	2	8
Eighteenth Century French Drama....	115	2	18	116	2	30
Nineteenth Century French Drama....	217	2	8	122	2	10
Eighteenth Century French Prose.....	213	2	7	218	2	5
Advanced Conversational Practice.....						
The Teaching of French .....						
Seminary in French Literature.....						
Nineteenth Century French Lyric.....						
<i>Italian</i>						
Elementary Italian .....	101	4	9			
<i>Spanish</i>						
Elementary Spanish .....	101	4	350	102	4	183
Elementary Spanish .....	103	4	172	101	4	180
Modern Spanish Literature .....	105	2	30	104	4	68
Cervantes, Lope and Calderon .....	107	2	6	106	2	20
Pastoral Novel; Contemporaries of Lope and Calderon .....	111	2	18	108	2	6
Spanish Commercial Reading and Correspondence .....				110	4	67
The Teaching of Spanish.....	209	2	4			
Advanced Spanish Conversation and Composition .....				112	3	16
Research in Spanish Literature .....				210	2	3
<i>Romance Languages</i>						
Introduction to Romance Philology.....	201	2	8	202	2	6
<b>RURAL ECONOMICS</b>						
Farm Accounting .....	101	2	5			
Agricultural Economics .....	104	3	18	104	3	28
Rural Community Life .....	113	3	8	110	3	27
Distribution of Farm Products.....				116	2	10
Co-operation in Agriculture .....	102	2	4			
Advanced Farm Accounting.....				111	1	5
Advanced Farm Management .....				114	2	6
Land Tenure .....				118	2	7
Rural Community Development.....				52	4	18
Farm Management .....	53	4	9			
Co-operation in Agriculture .....				54	4	17
Rural Community Life.....						
Winter Course, Farm Management.....						75



## THE WORK OF INSTRUCTORS 1918-1919—Continued

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
<b>SCHOOL ADMINISTRATION</b>						
Public Education in the United States..	101	3	52	101	3	36
State School Administration .....				102	3	12
Public Education in the United States..	105	2	2			
The Administration of Secondary Schools	111	3	26			
The Administration of Secondary Schools				112	3	17
The Administration of Elementary Schools .....	113	3	2			
Educational Statistics .....	115	2	3			
Seminary in School Administration.....	201	2-5	2			
Seminary in School Administration.....				202	2-5	2
Thesis in School Administration (M. A.)					3-6	8
<b>SURGERY</b>						
Minor Surgery .....	104	2	33			
General Surgery .....	101	5	25	102	5	24
Gynecology .....				106	2	24
Orthopedic Surgery .....	116	1	16			
Conference Clinics .....	127	1	16	128	1	16
Operative Surgery .....	111	1	16			
<b>VETERINARY MEDICINE</b>						
Veterinary Anatomy .....	101	5	48	102	7	17
Veterinary Anatomy .....	135	6	16	136	6	15
*Applied Anatomy .....	134	2				
Materia Medica and Therapeutics.....	107	3	20	108	4	17
Veterinary Pathology (General) .....	105	5	22	140	5	22
General Surgery .....	120	3	23			
Special Surgery .....	133	4	33	132	4	32
Veterinary Pathology .....	137	3	28	138	3	32
Horseshoeing .....				109	3	21
Diseases of Small Animals .....	115	5	21			
Sporadic Diseases of Large Animals....				126	5	23
Physical Diagnosis .....	127	3	22			
Laboratory Diagnosis .....				142	2	24
Infectious Diseases of Large Animals...	143	5	29			
Obstetrics .....				111	3	31
Hygiene and Sanitation .....				144	3	26
Clinic .....	119	3	21	118	3	21
Clinic .....	123	3	38	124	3	9
Operative Practice .....	121	1	35			
Meat Inspection .....	122	3	27			
Meat Inspection (Special) .....		3	5		3	3
Agriculture .....	151	3	14	152	3	3
Agriculture .....	51	3	8	52	3	8
Winter Course in Agriculture .....		3	44			

\*Not given during year 1918-19.

## THE WORK OF INSTRUCTORS 1918-1919—Concluded

COURSE SUBJECT	First Semester			Second Semester		
	Course Number	Credit Hours	Total No. of Students in all Sections	Course Number	Credit Hours	Total No. of Students in all Sections
ZOOLOGY AND ENTOMOLOGY						
Elementary Zoology .....	101	3	487	102	3	225
Elementary Zoology .....	.....	.....	.....	101	3	96
Economic Entomology .....	107	3	28	108	3	9
Apiculture .....	.....	.....	.....	112	3	6
General Principles of Heredity.....	115	3	52	115	3	54
Advanced Zoology of Invertebrates.....	121	3	9	122	3	6
Microtechnic .....	123	2	10	.....	.....	.....
Evolution .....	131	3	8	132	3	6
Ornithology .....	.....	.....	.....	140	2	3
Minor Investigations (Gradaute) .....	141	3-5	4	142	3-5	5
The Teaching of Zoology .....	145	3	4	.....	.....	.....
Medical Entomology .....	149	3-5	6	.....	.....	.....
Insect Control .....	151	3	3	152	3	3
Animal Parasitology .....	.....	.....	.....	158	3	2
Animal Ecology .....	159	3-5	3	160	3-5	4
Morphology and Development of Insects .....	.....	.....	.....	162	4	3
Seminary in Zoology and Entomology...	201	1	7	202	1	7
Research Work (Graduates) .....	241	5-10	8	242	5-10	8
Invertebrate Zoology (Graduates) .....	247	5	8	248	5	8



## APPENDIX V

\*SHOWING THE WHOLE NUMBER OF DEGREES IN COURSE CONFERRED SINCE THE FOUNDING OF THE UNIVERSITY

	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
Bachelor of architecture																																				8	9	7	8	13	13	3	1
Bachelor of architectural engineering																																										8	1
Bachelor of arts	1	1	6	2	2	1	5	4	6	8	6	1	7	2	6	9	12	19	13	17	18	8	14	16	6	16	68	68	93	80	80	107	120	122	139	148	193	169	194	176	119	120	
Bachelor of engineering																																											
Bachelor of ceramic engineering																																											
Bachelor of chemical engineering																																											
Bachelor of civil engineering																																											
Bachelor of electrical engineering																																											
Bachelor of mechanical engineering																																											
Bachelor of engineering in mining																																											
Bachelor of philosophy																																											
Bachelor of science	5	5	1	2	5	3	2	2	4	2	4	4	8	2	10	3	11	7	9	4	10	10	2	7	11	5	10	7	3														
Bachelor of science (Agr.)																																											
Bachelor of science in applied optics																																											
Bachelor of science in biology																																											
Bachelor of science in business admn.																																											
Bachelor of science in chemistry																																											
Bachelor of science in dom. science																																											
Bachelor of science in education																																											
Bachelor of science in entomology																																											
Bachelor of science in forestry																																											
Bachelor of science in home economics																																											
Bachelor of science in horticulture																																											
Bachelor of science (H. F.)																																											
Bachelor of science (I. Arts)																																											
Bachelor of science in journalism																																											
Bachelor of science in landscape architecture																																											
Bachelor of science (Phar.)																																											
Bachelor of science in public service																																											
Ceramic engineer																																											
Chemical engineer																																											
Civil engineer in architecture																																											
Civil engineer																																											
Mechanical engineer																																											
Mechanical engineer in electrical engineering																																											
Engineer of mines																																											
Graduate in pharmacy																																											
Master of pharmacy																																											
Doctor of civil engineering																																											
Doctor of veterinary medicine																																											
Master of arts																																											
Master of arts in education																																											

## APPENDIX V—Concluded

	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	
Master of science.			1								1	1	2	2					3	3	2	3	3	2	1								1	8	6	14	15	25	32	19	8		
Master of science (Agriculture)																		1	2		1									2	1	3	3	1									
Master of science (Dom. Sc.)																											1						1										
Master of science (H. F.)																				1	1	1										1											
Master of science in public health.																																								3			
Doctor of philo- sophy	1															1									1		1	1		1		2		1	5	1	2	1	3	11	9	4	
Doctor of science												1						1		1																							
Doctor of Dental Surgery																																											
Doctor of Medicine																																											
Juris Doctor																																											
Bachelor of Laws														9	18	15		16	6	23	22	21	25	17	26	20	11	15	17	26	15	16	22	10	19	18	19	18	24	17	11		
Master of Laws														2	4	2		6																									
Total	6	7	9	8	9	11	12	16	18	24	28	26	30	36	61	79	70	112	118	135	126	96	137	135	141	170	194	209	225	249	287	333	370	422	501	515	649	793	902	941	565	470	
Degrees conferred during the year														1													6	0	5	6	5	15										61	67
Totals																											200	209	230	255	292	348										626	537

\*Statistics given prior to 1904 covered only the degrees granted at the Commencement.



## APPENDIX VI

## SHOWING THE NUMBER OF STUDENTS IN THE GENERAL, TECHNICAL AND PROFESSIONAL COURSES

	1890-91	1891-92	1892-93	1893-94	1894-95	1895-96	1896-97	1897-98	1898-99	1899-1900	1900-01	1901-02	1902-03	1903-04	1904-05	1905-06	1906-07	1907-08	1908-09
General Courses (College of Arts) . . . . .	137	151	194	245	256	322	327	358	371	419	439	403	490	496	490	551	572	630	714
Technical Courses (other Colleges, except Law) . . . . .	166	259	381	368	424	453	453	511	541	603	771	888	1,039	1,135	1,129	1,262	1,280	1,436	1,626
Professional Courses (College of Law) . . . . .		55	67	72	65	100	132	148	191	201	220	188	166	171	179	162	153	138	132
*Graduate students and summer school . . . . .	2			1		94	97	133	75	45	51	49	62	108	54	240	339	379	458
†Summer school (shopwork) . . . . .															74	75	81	80	90
Lake Laboratory (summer) . . . . .												19		23	32	26	19	26*	32
Totals . . . . .	305	465	642	686	745	969	1019	1,150	1,178	1,268	1,481	1,547	1,757	1,933	1,958	2,316	2,444	2,689	3,052
Names counted twice . . . . .																159	167	216	258
Net Total . . . . .																2,157	2,277	2,473	2,794

\*Until 1896, graduate students have been included in the first three classes.

†Until 1904, summer term students in shopwork have been included with graduate students.

APPENDIX VI—Concluded  
SHOWING THE NUMBER OF STUDENTS IN THE GENERAL TECHNICAL AND  
PROFESSIONAL COURSES

	1909-1910	1910-1911	1911-1912	1912-1913	1913-1914	1914-1915	1915-1916	1916-1917	1917-1918	1918-1919
General Courses (Colleges of Arts, Commerce and Journalism and Education)	845	865	962	1009	1139	1494	1820	2198	2220	2558
Technical Courses (Other Colleges Except Dentistry, Homeopathic Medicine, Law and Medicine).....	1643	1780	1979	2106	2392	2373	2491	2398	1884	2129
Professional Courses Colleges of Dentistry, Homeopathic Medicine Law and Medicine).....	181	170	185	198	187	615	556	514	384	300
Graduate Courses (Graduate School).....	96	70	97	128	133	185	244	233	161	143
Summer Session.....	606	617	738	575	671	926	1010	1166	918	909
Lake Laboratory (Summer).....	36	22	28	25	32	14	19	15	14	2
Winter Courses.....	159	183	273	227	203	187	173	187	119	121
Total.....	3566	3707	4262	4268	4757	5794	6313	6711	5700	6162
Names counted twice.....	291	268	334	299	322	462	491	523	550	437
Net Total.....	3275	3439	3928	3969	4435	5332	5822	6188	5150	5725



## APPENDIX VII

## SHOWING DEGREES AND CERTIFICATES GRANTED IN 1919

## GRADUATE SCHOOL

Acting Dean: WILBUR H. SIEBERT

## DOCTOR OF PHILOSOPHY

Mary Meek Atkeson, A. B., A. M. (West Virginia University),.....	Buffalo, W. Va.
William Gray Bowers, B. S. (Ohio Wesleyan University), M. A.....	
..... (Indiana University), East Monroe	
Esther Lucilla Gatewood, B. A., M. A.....	Columbus
Marion Hollingsworth, B. Sc. (Wilmington College), B. A., M. A.....	Columbus
(Four candidates)	

## MASTER OF ARTS

Audra Rosina Bickel, B. A.....	Columbus
Alice Warwick Black, A. B. (University of Cincinnati).....	Cincinnati
John Edward Bliss, A. B. (Miami University).....	Arcanum
Sylvia Margot Byer, A. B. (University of Cincinnati).....	Columbus
Eva Galbreath Campbell, B. A. (Ohio Wesleyan University).....	Delaware
Etheldra Ellen Collett, Ph. B. (Denison University).....	Dayton
Mary Conway, B. A. (Wittenberg College).....	Springfield
Emma Leonard Courtright, B. A.....	Columbus
Dorothy Morton Evans, A. B. (University of Missouri).....	Columbus
Florence Elizabeth Fitzgearald, B. Sc. in Edu.....	London
Robert Kemble Fletcher, B. A. (University of Maine).....	Columbus
Sylvia Cecilia Fuson, B. A. (Miami University).....	Crawfordsville, Ind.
Florence Ethel Heyde, B. A.....	Columbus
Delbert Leroy Hines, A. B. (Capital University) B. Sc. in Edu.....	Amanda
Clayton Morgan Howe, A. B. (Oberlin College).....	Cincinnati
Mirza Nassrollah Khan, B. A. (Ohio University).....	Teheran, Persia
Edna Anna Lamb, B. A., B. Sc. in Edu.....	Columbus
Anna Rose McIntire, B. A.....	Columbus
John Alfred Nietz, B. A. (Ohio Northern University). ....	Perrysburg
Elmer E. Ray, B. Sc. (Ohio Northern University).....	Ashley
Esther Reedy, B. A.....	Columbus
Mary Alice Rower, B. A.....	Ft. Jennings
Floyd Orvill Russell, A. B. (Defiance College).....	Ridgeville Corners
Arthur St. Clair Sloan, B. A. (Denison University).....	Columbus
Emma Catherine Stubner, B. A.....	New Orleans, la.
Anna Lorene Teegarden, B. Sc. in Edu.....	Greenville
Alpha Jay Will, B. A.....	Columbus
Mary Struthers Young, A. B. (Grove City College).....	Grove City Pa.
(Twenty-eight candidates)	

## MASTER OF SCIENCE

Ora L. Hoover, B. A. (Manchester College).....	Garrett, Ind.
Lelia Margeret McGuire, B. Sc. in H. E.....	Columbus

John Mouk Ort, B. Ch. E.....	Columbus
Albert Frederick Puchstein, B. E. E.....	Columbus
John James Riggle, B. Sc. in Agr. (West Virginia University),	
George Valley, B. Sc.....	Middlebourne, W. Va.
Keui Lung Wang, B. Sc. in Engr. (Government Institute of Technology,	Cleveland
Shanghai, China).....	Shanghai, China
Albert Clinton Workman, Ph. B., A. M. (Hiram College).....	Columbus
(Eight candidates)	

## CIVIL ENGINEER

Gabriel Weber, B. C. E.....	La Plata, Argentine Republic
(One candidate)	

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

## DOCTOR OF PHILOSOPHY

Leon Zelenka Lerando, B. Sc., M. A. (Northwestern University) ...	Columbus
Morgan Gen Louis, (Central Normal College, Hunan, China) M. A. ....	
.....	Poa-Chin-Fu, China
(Two candidates)	

## MASTER OF ARTS

Hsing Cheng, B. Sc. (St. Johns University).....	Shanghi, China
Raymond Leonard Druhot, B. A. ....	Mowrystown
Glenn Walter Foster, B. Sc. in Bus. Admr.....	Coshocton
Jay Gilmore Hickox, B. Sc.....	Columbus
Lavone Frances McReynolds, B. Sc. in Edu .....	Columbus
Robert Lee Morton, B. Sc. in Edu. (Ohio University).....	Athens
Genevieve Spencer, B. A. (Cornell University) .....	Milford, N. Y.
(Seven candidates)	

## MASTER OF SCIENCE

Max Kisliuk, B. Sc. ....	Washington, D. C.
Lily Belle Sefton, B. Sc. (Denison University) ..	Granville
Harold F. Shattuck, B. A. (Lawrence College) .....	Chippewa Falls, Wis.
(Three candidates)	

## COLLEGE OF AGRICULTURE

Dean: ALFRED VIVIAN

## BACHELOR OF SCIENCE IN AGRICULTURE

Lewis Elbert Barb, B. A .....	Pataskala
William Samuel Barden .....	Shreve
Robert Grant Bruce .....	Ravenna
Joseph Robert Bullard .....	Mechanicsburg
William Fleming Burbank, Jr.....	Cincinnati
Daniel Harvey Byers, A. B. (Ashland College).....	Ashland
Robert R. Caldwell.....	Cincinnati
Walling Corwin.....	Morrow
Robert Henry Crehore.....	Elyria
Reed Bergman Dunn, B. A.....	Deshler
Dean Peoples Evans .....	Columbus
Odin Ezekiel Hearing .....	Portersville



Samuel Ray Heffron (As of the Class of 1917)	Cortland, N. Y.
Ralph Aurelius Howard	Delta
James Alfred-Howenstine	Hicksville
Earle Rathbourn Hurst	Columbus
George Fiske Johnson	Powell
Floyd Alonzo McClure, B. A.	Sidney
John Stone McCoy	Seville
Robert Gates McMurray	Barnesville
Guy Weyer Miller	Pataskala
Wendell Pierson Miller	Sunbury
Herschel Frederick David Pinkley	Jelloway
James Gould Polk	Hillsboro
Sanford George Price	Woodville
Edwin Russell Raymond	Evansville Ind.
Reginald Royston	Leesburg, Va.
Charles Raymond Runk	Blanchester
Emmett Bismarck Saunders	Eagle, W. Va.
Otto James Smith	Fremont
Charles Hamilton Sprague	Cleveland
Thurlow Glenn Vickery	Bellevue
Theodore John Henry Wiegand	Lakewood
(Thirty three candidates)	

## BACHELOR OF SCIENCE IN HORTICULTURE

George Kerr Fulton	Sidney
John Raymond Herman	Newport, Ky.
Elmer Klein	Indianapolis, Ind.
Frederick Carl Roth	Cleveland
(Four candidates)	

## BACHELOR OF SCIENCE IN HOME ECONOMICS

Dorothy Beem	Pataskala
Jeannette Alvilda Bonar	Columbus
Kathryn Louise Boyenton, B. A.	Columbus
Josephine Kerr Burnett	Youngstown
Clarice Lorena Chamberlin	Caldwell
Ruth Edna Christen	Le Moyne
Mae Margaret Coffland	Columbus
Catherine Collart	Lakewood
Laura Maybelle Cornell	Columbus
Verno Detrick	Brookville
Vera Pearl Dull, B. A.	Willshire
Helen Louise Eisele	Columbus
Rosetta Ruth Harpster	Columbus
Kathryn Virginia Hubinger	Marietta
Ella Louise Jones	Columbus
Hilda Genevieve Kemery	Columbus
Jessie King	Springfield
Lois Lampe	Washington C. H.
Sara MacInnis	Youngstown
Eleanor Newman	Irwin
Ester Maud Newman	New Lexington
Henrietta Pendergrass	Waverly
Mildred Postle	Columbus

Isabelle Price.....	Woodville
Dorsey S. Richards.....	Chilo
Mabel Johnson Scott.....	Waverly
Mary A. V. Smith.....	Columbus
Leora Springer.....	Jeromesville
Beatrice Carolyn Stocklin.....	Columbus
Helen Bertha Taylor.....	Toledo
Winona Vance.....	Aurelia, Iowa
Grace Evelyn Wagy.....	Summit Station
Mary Esther Wenger.....	Brookville
Lola Yerkes, R. N. (Bellevue Hospital).....	Fairmount, Ill.
Nellie Obery Young.....	Payne
(Thirty-five candidates)	

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

## As of the Class of 1918

## BACHELOR OF SCIENCE IN AGRICULTURE

Robert Ross Caldwell.....	Cincinnati
Brant Earley.....	Mt. Gilead
Fred Raymond Keeler.....	Lynchburg
(Three candidates)	

## BACHELOR OF SCIENCE IN FORESTRY

David Stuart Evans.....	Norwood
Lloyd Wilbur Wise.....	Barberton
(Two candidates)	

## BACHELOR OF SCIENCE IN HORTICULTURE

Donald Edward Leader.....	Findlay
(One candidate)	

## BACHELOR OF SCIENCE IN LANDSCAPE ARCHITECTURE

Norman Sheffield Fish.....	Deshler
(One candidate)	

## COLLEGE OF ARTS, PHILOSOPHY AND SCIENCE

Dean: JOSEPH VILLIERS DENNEY

## BACHELOR OF ARTS

Helen Florence Agler.....	Columbus
Omar Copeland Amstutz.....	Pandora
Dorothy Bailey.....	Columbus
Fontabelle Opal Baker.....	Columbus
Adelaide Eberly Beeson.....	Columbus
Olive Marie Bingham.....	Toledo
John Paul Black.....	Columbus
Gertrude Boesel.....	New Bremen
Olga Helena Boynton.....	Elyria
Dorothy Rutherford Breyfogle.....	Wellesley, Mass.
Esther Anna Brown.....	Hamilton
Stella Dyas Bruce.....	Herberton, W. Va.
Dorothea Cuthbert Hughes Bryan.....	Buena Vista



Albert Raymond Burkhart	Woodsfield
Clyde Henry Butler	Massillon
Mildred Butz	Portsmouth
Susan Beecher Chancellor (As of the Class of 1918)	Wooster
Elizabeth Chandler	Waynesville
Mae Margaret Coffland	Columbus
Anna Cornell	Columbus
Hester May Courtright	Columbus
Helen Margaret Cullen	Isle Saint George
Harriett Esther Daily	Columbus
Hazel Jane Darby	Columbus
William McKinley Davis	Oak Hill
Elizabeth Partridge Dial	Cleveland
William Francis Drake	Columbus
Mary Katherine Dunham	Columbus
Kenneth James Durant	Akron
Helen Dorothy Dustman	Columbus
Henrietta Laura Ebinger (As of the Class of 1918)	Columbus
John Joseph Edmiston, Jr.	Columbus
Dorothy Mae Evans	Columbus
Florence Forsythe Evans	Jackson
Karl Theodore Finn	Columbus
Jean Katherine Fitzgerald	Washington C. H.
Hazel Marie Frasch (As of the Class of 1916)	Columbus
Ruth Franklin	Erie, Mich.
Shirley Earick Griffith	Batavia
Mary Helen Guy	Columbus
Clarence Eugene Gwinn	Columbus
Eleanor Pearl Haas	Lower Salem
Nellie Virginia Hall	Columbus
Margaret Walker Harrington	Logan
Margaret Hasting	Columbus
Evelyn Von Der Au Horst	Columbus
Lillian Evelyn Hoskins	Columbus
Helen Lavon Huffman	Columbus
Beulah Crace Hunsberger	Barberton
Harvey Sweyer Huston	Circleville
Florence McMillan Jackman	Columbus
Margaret Eloise Jones	Columbus
Clara Belle Kesler	Columbus
Harold Edwin Kuhn	Millersburg
Virginia Lamb	Columbus
Lois Lampe	Washington C. H.
Samuel Landau	Schenectady, N. Y.
Mary Bradford Laughead	Middleport
Ethel Luper	Columbus
Ralph Lucius McCombs	Columbus
Leila Marjorie McDaniel	Richwood
Oliver Clayton Martin	Cadiz
Jessie Faye Masteller	Columbus
Edith Kathleen Mendennhall	Mansfield
Frank Gaylord Mercer	Newark
Ella Mariam Meilke	Columbus
Florence Agnes Miller	Millersport

Herman Allen Miller	Columbus
Mary Elizabeth Miller	Gahanna
Frances Josephine Mills	Columbus
Frances Margaret Mitchell	Marysville
Elizabeth Lowndes Moore	Parkersburgs, W. Va.
Helen Campbell Morris	Columbus
John Rayl Morris	Marion
Dorothy Morton	Columbus
Aubrey Reck Moul	Columbus
Robert Spangler Newdick	Columbus
Elliott John Nugent	Canal Dover
James Chin Oak	Pyeng Yang, Korea
Florence Ette Odebrecht	Columbus
William Ray Palmer	Martins Ferry
Everett Benjamin Parker	Georgetown
Lucile June Pence	West Jefferson
Harold Foster Percival	New York City
Arthur Lewis Pierstorff	Rockford
Marion Edith Poppen	Grove City
Walter Watson Randolph (As of the Class of 1918)	Columbus
Clara Raynor-Rank	Brooklyn, N.Y.
Ralph Mayer Reel	Columbus
Elsie Grace Roeser	Cleveland, Okla.
Joy Nichols Rogers	Columbus
Eunice Osea Root	Columbus
Harriet Martha Rutherford	Bexley
Elton George Schmidt	Portsmouth
Dorothy Elizabeth Schodde	Columbus
Edward Albert Schwinn	Dayton
Faye Marie Scott	Columbus
Max Shapiro	New York City
Everett Ellsworth Simpson	St. Clairsville
Louis Homer Skimming	Columbus
Irma Viola Smith	New London, Conn.
Mabelle McCarty Snyder	Columbus
Oliver Marlow Stone	Bellevue
Vale Derwood Stone	West Salem
Ona Marie Strait	Columbus
Mary Kenyon Strange	New London, Conn.
Van Bauman Teach	Columbus
Helen Virginia Terry	Columbus
Virginia May Titus	Columbus
Christian Van Riper	Dayton
Delphus Roy Virtue	Iberia
Gertrude Wack	Elyria
Marion Elizabeth Weakley	Columbus
Lucile Marguerite Weinlein	Columbus
Phyllis Arlin Whitehill	Columbus
George D. Williams	Caldwell
William Hunt Williams	Columbus
Edward Elbert Woldman	Cleveland
Willard Hayes Yeager	Wooster
Dorothy Kathryn Zwicker	Toledo

(One hundred and twenty candidates)



## BACHELOR OF SCIENCE

Jay Walter Calhoon.....	Byesville
Joseph Henry Clouse.....	Somerset
Ida Elizabeth Fleming .....	Columbus
Verl Zane Garster.....	West Carrollton
Harry Lutz.....	Columbus
Charles Duane Miller.....	Union City, Ind.
Ford Curtis Mohny.....	Ford City, Pa.
Robert Barthold Reed.....	Versailles
Daniel Galbreath Sanor .....	Columbus
Harry Mast Scott.....	Columbus
Robert Sidney Sloane.....	Columbus
George Vernon Smith.....	Chandlersville
Alva Reed Spindler .....	Columbus
Willis Arthur Whitman.....	West Millgrove

(Fourteen Candidates)

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

As of the Class of 1918

## BACHELOR OF ARTS

Reuben Jacob Boesel .....	New Bremen
Whun Chang.....	Shenchow, Hunan, China
Edgar William Fasig .....	Waynesfield
Kedareswar Guha .....	Dacca, India
Charlotte Eliza Lehman.....	Columbus
David Wheeler Putnam.....	Columbus
Esther Reedy.....	Columbus
Richard Simkins.....	Laurelville
Wilhelmina Carleine Slaymaker, B. Sc. in Edu.....	Gallipolis
James Henry Smith.....	Piqua
Fred Clifton Vogelsang.....	New Bremen
James Wilson Wilcox.....	Columbus

(Twelve Candidates)

## BACHELOR OF SCIENCE

Paul Richard Ensign.....	Bryan
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(One candidate)

## BACHELOR OF SCIENCE IN APPLIED OPTICS

Rees Ellis .....	Aberdeen
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(One candidate)

## COLLEGE OF COMMERCE AND JOURNALISM

Dean: JAMES E. HAGERTY

## BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Richard Eli Baker.....	Youngstown
Clyde William Clark.....	Akron
Loren Ralph Dodson.....	Columbus
Mortimer Friedman .....	Cleveland
Julius Samuel Gross .....	Cleveland
Mamuel Mendelson.....	Elyria

Charles Harvey Mote .....	New Madison
David Everett Reese .....	Columbus
Victor Joseph Robinson .....	Sandusky
Albert Farwell Voke .....	Rockford
Mary Helen Wolfe .....	Rockford
(Eleven candidates)	

## BACHELOR OF SCIENCE IN JOURNALISM

William Paul Dumont .....	Lorain
Lillian Evelyn Hoskins .....	Columbus
Maurice Lawrence Mullay .....	Columbus
(Three candidates)	

## BACHELOR OF SCIENCE IN PUBLIC SERVICE

Fred Feasel .....	Amsden
(One candidate)	

## BACHELOR OF SCIENCE IN SOCIAL SERVICE

Lillian Isabel Jones .....	Circleville
Helen Sarah Luchs .....	Bellaire
(Two Candidates)	

## COLLEGE OF DENTISTRY

Dean: HARRY M. SEMANS

## DOCTOR OF DENTAL SURGERY

David Emmett Alban .....	Columbus
Walter Seal Bauersachs (As of the Class of 1918) .....	Waverly
Lewis Powell Brunk (As of the Class of 1918) .....	Elida
Charles Wilbur Carrick .....	Bellevue
Homer Walker Castor .....	New Concord
Max Horkin .....	Columbus
John Jacob Klar .....	Shanesville
Charles H. Loughry (As of the Class of 1918) .....	Columbus
John Charles Lupton .....	Gallipolis
Sheldon Jenks Mann .....	Columbus
Robert Harris Pinkerton (As of the Class of 1918) .....	Columbus
Ralph Ellsworth Russell .....	Albion, N. Y.
James Wistar Shreve (As of the Class of 1918) .....	Martins Ferry
Fred Gilbert Thompson .....	Delta
Sidney David Weisman .....	Cleveland
(Fifteen candidates)	

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

As of the Class of 1918

## DOCTOR OF DENTAL SURGERY

Herbert Ferris Brown .....	St. Paris
Alton Reeves Hoare .....	Conneaut
Joseph Jones .....	Portsmouth
Myron William King .....	McConnelsville
Dean Martin Leuthner .....	Mansfield
Clarence North Routzong .....	Fairfield



Harry Ervan Sarchet.....	Middletown
Jasper William Tall.....	Wellsburg, W. Va.
(Eight candidates)	

## COLLEGE OF EDUCATION

DEAN: GEORGE WELLS KNIGHT

## BACHELOR OF SCIENCE IN EDUCATION

Angela Abair .....	Toledo
Dorothy Bailey.....	Columbus
Fontabelle Opal Baker.....	Columbus
Stella Jeanette Becker.....	Columbus
Hazel Annetta Bidlack.....	Columbus
Olive Marie Bingham.....	Toledo
Margaret Ellen Bradfute .....	Columbus
Byrl Catherine Brenaman.....	Gahanna
Dorothy Mae Burrell.....	Columbus
Fern Kazmaier Christman .....	Perrysburg
Lola Maye Clark.....	Bremen
Ida Coffland.....	Columbus
Grace Conklin.....	Plain City
Salinda Linore Cook.....	North Kingsville
Hester May Courtright.....	Columbus
Lillian Cunningham.....	Lancaster
Sarah Virginia Daily.....	Columbus
Harriet Adelia Day.....	Urbana
Dorothy Dyer.....	Georgesville
Bernice Lottie Ferguson.....	Lexington
Juanita Winifred Fitzgerald.....	London
Katharine Gerlaugh.....	New Carlisle
Mary Gill.....	Plain City
Edna Marie Gray.....	Columbus
Gladys Henrietta Grim.....	Columbus
Irene Hankinson.....	London
Margaret Hastings.....	Columbus
Lois Adaline Helfer.....	Columbus
Ruth Marie Helsel.....	Columbus
Helen Lavon Huffman.....	Columbus
Margaret Eloise Jones.....	Columbus
Bernice Kaylor.....	Danville
Margaret Mary Kelly.....	Mt. Vernon
Clara Bell Kesler.....	Columbus
Elizabeth Clara Kittrell.....	Columbus
Jane Holmes Lamon .....	Bunker Hill, W. Va.
Dorothy Mary Luckhaupt .....	Columbus
Leila Marjorie McDaniel.....	Richwood
Flora Margaret McDonald.....	Columbus
Mary Loretta McDonald.....	Columbus
Lucille Waunita McKinley.....	Toledo
Helen A. McKinney .....	Dayton
Ethel Pauline Maidlow.....	Columbus
Edwin Meyerholtz.....	New Bremen
Ella Miriam Mielke.....	Columbus
Mabel Milroy, B. Sc. (College of Wooster).....	Huntsville

Frances Margaret Mitchell	Marysville
Leona Frances Mitchell	Linworth
Lucile Elizabeth Mull	Columbus
Hilda Anna Murphy	Milford
Margaret Josephine Neff	Derby
Rachel Irene Owens	Columbus
Roseann Pierson	Marion
Joy Nichols Rogers	Columbus
Flora Ellen Roth	Columbus
Dorothy Elizabeth Schodde	Columbus
Luetta Eleanor Seitz	Wapakoneta
Bessie June Swaney	Columbus
Virginia May Titus	Columbus
Madeline May Tobas	Bowling Green
Elizabeth Towt	Lancaster
Anna Elizabeth Troxel	Rockbridge
Dorothy Grace Twigg	Columbus
Lorena Lucile Vogel	Toledo
La Vonne Josephine Walker	Columbus
Florence Olga Watson	New London
Lucile Marguerite Weinlein	Columbus
Edgar Pomeroy Weltner	Rogers
Lucile Whan	Youngstown
Howard Dawson Wheeler	Cambridge
Mary Edythe Williams	Columbus
Harriet Elinor Wilson	Mt. Sterling
Leona Mae Wise	Leipsic
Robin Claire Wood	Columbus
Hazel Belle Worley	Mt. Vernon

(Seventy-five candidates)

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

## As of the Class of 1918

## BACHELOR OF SCIENCE IN EDUCATION

Mildred Irene Bishop	Mt. Vernon
Helen May Bradley	Columbus
Minnie Gatewood	Crown City
Earl Fenton Hall	Columbus
Robert F. Klar	Beach City
Susanne M Koehler B. A.	Columbus
Cloyd Delson Looker	Columbus
Vista McDonald	McConnelsville
Adelaide Frances Marvell	Worthington
Alice Hortense Meyer	Columbus
James Garfield Ralston	Fredericktown
Leo F. Schieser	Groveport
Ethel Irene Schofield, B. A.	Columbus
Pearl Graeff Summy, B. A., M. A.	Columbus
Marion Amy Thomas, B. Sc. in H. E.	Columbus
Margaret Isabelle Todd	Huntington W. Va.
Clara Catherine Wegener	Bay City, Mich

(Seventeen candidates)



## As of the Class of 1919

Elizabeth Ann Torbet .....	Shreve
Ralph Chester Waters .....	Medina
(Two candidates)	

## COLLEGE OF ENGINEERING

Acting Dean: EDWIN F. CODDINGTON

## BACHELOR OF ARCHITECTURE

Mary Martha Manley .....	Columbus
Thesis: <i>Woman's Club Building</i>	
(One Candidate)	

## BACHELOR OF ARCHITECTURAL ENGINEERING

Earl Louis Requarth .....	Dayton
Thesis: <i>Office Building</i>	
(One Candidate)	

## BACHELOR OF CERAMIC ENGINEERING

Harry Dennis Callahan .....	Columbus
Thesis: <i>The Development of a High Temperature Test Furnace</i>	
Harry Edward Davis .....	Columbus
Thesis: <i>Influence of the Size of Grog Grain on Terra Cotta Bodies</i>	
Chi Chun Lin .....	Peking, China
Thesis: <i>A Study of High Fire Porcelains</i>	
Harold Emerson Reeb .....	Columbus
Thesis: <i>A Study of Natural Gas Burners and Their Regulation</i>	
(Four Candidates)	

## BACHELOR OF CHEMICAL ENGINEERING

Howard Foster Anders .....	Columbus
Thesis: <i>Enameled Ware and Other Substitutes for Laboratory Porcelain</i>	
James Thomas Robson .....	Elyria
Thesis: <i>Flash Points of Gasoline-Kerosene Mixtures</i>	
Melvin Edwin Schulz .....	Toledo
Thesis: <i>Chemical Works Engineering Laboratory</i>	
Hobart William Seyler .....	Batavia
Thesis: <i>Benzol and Toluol Recovery Systems</i>	
Charles Newton Ward .....	Fostoria
Thesis: <i>Chemical Works Engineering Laboratory</i>	
Chester McKinley Wolcott .....	Conover
Thesis: <i>Electrolysis of Acetic Acid</i>	
(Six Candidates)	

## BACHELOR OF CIVIL ENGINEERING

John Theodore Bertsch .....	Toledo
Joint Thesis: <i>Determination of Coefficient of Discharge for Columbus Storage Dam</i>	
Fay Olan Brafford .....	Jacobsburg
Joint Thesis: <i>Design of a Combination Highway and Electric Railway Bridge at Glenmary, Ohio</i>	

Henry Moses Cudroff.....	Passaic, N. J.
<i>Joint Thesis: Design of a Combination Highway and Electric Railway Bridge at Glenmary, Ohio</i>	
Herbert Earnest Foreman.....	Columbus
<i>Joint Thesis: Pennsylvania Railroad Grade-Crossing Elimination at Cleveland and Eleventh Avenues, Columbus, Ohio</i>	
John Martin Gerber.....	Toledo
<i>Joint Thesis: Pennsylvania Railroad Grade-Crossing Elimination at Cleveland and Eleventh Avenues, Columbus, Ohio</i>	
Arthur Dale Greene.....	Columbus
<i>Joint Thesis: Pennsylvania Railroad Grade-Crossing Elimination at Cleveland and Eleventh Avenues, Columbus, Ohio</i>	
William Earl Keyser.....	Bellaire
<i>Joint Thesis: Design of a Combination Highway and Electric Railway Bridge at Glenmary, Ohio</i>	
J Clarence Merrell.....	Coshocton
<i>Joint Thesis: Determination of Coefficient of Discharge for Columbus Storage Dam</i>	
Eugene George Rich.....	Toledo
<i>Joint Thesis: Determination of Coefficient of Discharge for Columbus Storage Dam</i> (Nine candidates)	

## BACHELOR OF ELECTRICAL ENGINEERING

Howard Pleasant Bish.....	Dayton
<i>Joint Thesis: Heat Dissipation in Underground Conduits</i>	
Frederic Harwood Deckman.....	Malvern
<i>Joint Thesis: An Experimental Study of the Commutation and Performance of the Single Phase Repulsion Motor</i>	
Clarence Leland Farr.....	Salem
<i>Joint Thesis: The Characteristics of Vacuum Tubes as Applied to Radio Telegraphy and Telephony</i>	
Russell William Forney.....	Columbus
<i>Joint Thesis: Columbus Street Lighting</i>	
Horace Augustus German.....	Hopewell
<i>Joint Thesis: Corona Voltmeter</i>	
Ralph Peter Graber.....	Orrville
<i>Joint Thesis: The Characteristics of Vacuum Tubes As Applied to Radio Telegraphy and Telephony</i>	
Otto Fred Guthiel.....	Columbus
<i>Joint Thesis: Columbus Street Lighting</i>	
Harold Meyer Haase.....	Springfield
<i>Thesis: Generating and Distribution Systems in Ohio</i>	
Leo Emil Kietzman.....	Toledo
<i>Joint Thesis: Efficiency of the Motor and Transmission of a Milburn Electric Automobile</i>	
Harry Elmer Lockett.....	Columbus
<i>Thesis: Storage Battery Testing Equipment</i>	
Wendell L. Martin.....	Garrettsville
<i>Thesis: The Use of Carbon As a Motor Starting Resistance</i>	



- Dayl Swigart Myers.....Napoleon  
*Joint Thesis: Development of Laboratory Course in Telephone Engineering*
- Glenn Eugene Park.....New Lexington  
*Thesis: A Survey of Industrial Lighting*
- Russell John Pepper.....Columbus  
*Joint Thesis: An Experimental Study of Commutation in Direct-Current Machines*
- Plinty Pleutarch Pipes.....Westerville  
*Joint Thesis: Tests on the Delco-light System*
- Louis Ernest Plack.....Warren  
*Joint Thesis: Tests ou the Delco-Light System*
- Clarence Gilbert Sears.....Lakewood  
*Joint Thesis: Development of Laboratory Course in Telephone Engineering*
- Stewart Earl Shilling.....McConnelsville  
*Joint Thesis: An Experimental Study of Commutation in Direct-Current Machines*
- Raymond Lee Shumaker.....Xenia  
*Joint Thesis: Heat Dissipation in Underground Conduits*
- Charles Bailey Upp.....Greenfield  
*Joint Thesis: Corona Voltmeter*
- William John Walker.....Columbus  
*Joint Thesis: A Study of the Location of Faults in Telephone Lines*
- Charles Earl Weitz.....Edgerton  
*Joint Thesis: A Study of the Location of Faults in Telephone Lines*
- Clifton Horace Wilgus.....West Mansfield  
*Joint Thesis: Efficiency of the Motor and Transmission of a Milburn Electric Automobile*

(Twenty-three candidates)

## BACHELOR OF ENGINEERING

- George Albert Schwartz.....Ambia, Ind.  
 Hallis Noah Stephan.....Crestline  
*Thesis: Test of a Turbo-Centrifugal Boiler Feed Pump Using Superheated Steam*
- Alexander Wishnevsky.....Galitch Russia

(Three candidates)

## BACHELOR OF MECHANICAL ENGINEERING

- James M Augustus.....Springfield  
*Joint Thesis: Test of a Heider Tractor*
- Harry Hugo Bruns.....Huron  
*Joint Thesis: Test of a Heider Tractor*
- Victor Lysander Darnell.....Urbana  
*Joint Thesis: Test of a Ford Motor using Gasoline and Kerosine*
- Fay Austin Dun.....Hilliards  
*Joint Thesis: Test of a Heider Tractor*
- George Marevsky.....Toula, Russia  
*Thesis: Pulverized Coal as Fuel*
- Harry Elwood Schieber.....Bucyrus  
*Joint Thesis: Test of a Ford Motor using Gasoline and Kerosine*

(Six candidates)

## BACHELOR OF ENGINEERING IN MINING

Howell Ivan Cobb Jones (As of the Class of 1918) .....	Martins Ferry
<i>Thesis waived by faculty action</i>	
Edward Vincent O'Rourke .....	Columbus
<i>Thesis: The Physiography of The "Clinton" Sand in Parts of Coshocton, Muskingum and Licking Counties, Ohio</i>	
Raymond Kelly VanDyne .....	Glencoe
<i>Thesis: Development of The Elk Coal Company's Coal Mine Near Roseville Ohio</i>	
(Three candidates)	

## DEGREES CONFERRED DURING THE CURRENT ACADEMIC YEAR

## BACHELOR OF ARCHITECTURE

## As of the Class of 1916

Ralph Webster Wenger .....	Brookville
(One candidate)	

## BACHELOR OF ARCHITECTURAL ENGINEERING

## As of the Class of 1918

Maurice Fahnestock Smith .....	Waverly
(One candidate)	

## BACHELOR OF CERAMIC ENGINEERING

## As of the Class of 1918

Ray Thomas Watkins .....	Columbus
(One candidate)	

## BACHELOR OF ENGINEERING

## AS OF THE CLASS OF 1918

William Frederieg Kerber .....	Sandusky
Albert Leo Stallkamp .....	Delphos
Gaylord Thomas Stowe .....	Lakewood
(Three Candidates)	

## COLLEGE OF HOMOEOPATHIC MEDICINE

Dean: CLAUDE A. BURRETT

## DOCTOR OF MEDICINE

Harry Emerson Cauffield .....	Cortland
Robert Stanley Coppess .....	Dayton
John Paul Fairchild .....	Cambridge
Floyd Milton Green .....	Peebles
Alpha Fritz Hawk .....	Columbus
Samuel Albert Leibel .....	Cleveland
Margaret Jane Rupert .....	Westville
Clarence Elijah Thompson .....	Sandusky
David Peter Young .....	Dayton
(Nine Candidates)	



## COLLEGE OF MEDICINE

Dean: EUGENE F. McCAMPBELL

## DOCTOR OF MEDICINE

John Earl Briggs.....	Briggsdale
Clarence John Burns, B. Sc.....	Columbus
Nial Lanson Burrell, B. Sc.....	New Lexington
Donald Hall Edwards.....	Berea, Ky.
William Joseph Gorey, B. A.....	Columbus
Joseph Myrhl Griffith, B. A.....	Columbus
Roy Edmund Krigbaum.....	Columbus
Easton Huddard Lum, B. A.....	Columbus
Russell Garrett Means, B. Sc.....	Columbus
Link McKinley Murphy, B. Sc.....	Wilmington
Louis Joseph Roth, B. Sc.....	Columbus
Harold Hobart Stevens.....	Grand Rapids
Wells Halderman Teachnor.....	Columbus
Frank Warner Watson, B. A.....	Dennison
John Woodworth Wilce, B. A. (University of Wisconsin).....	Milwaukee, Wis.
(Fifteen candidates)	

## DEGREE CONFERRED DURING THE CURRENT ACADEMIC YEAR

## AS OF THE CLASS OF 1918

Roger Q. Davis.....	Wellston
(One candidate)	

## COLLEGE OF PHARMACY

Acting Dean: CLAIR ALBERT DYE

## BACHELOR OF SCIENCE IN PHARMACY

Toulon Nannie Haslett.....	Wellston
<i>Thesis: Analyses of Alkaloidal Preparations</i>	
Ta-Chong Lee.....	Swatow, China
<i>Thesis: Chemical Examination of Fruit Juices Preserved in Alcohol</i>	
Pao Ho Vong.....	Shanghai, China
<i>Thesis: The Constants of Hydrogenated Oils</i>	
(Three candidates)	

## COLLEGE OF VETERINARY MEDICINE

Dean: DAVID STUART WHITE

## DOCTOR OF VETERINARY MEDICINE

Alvin Byron Bingham.....	Rutland
Hoy Jackson Bird.....	Centerburg
Malvern Blackman.....	Coldwater, Mich.
Edgar Walter Bolton.....	Columbus
Lloyd Campbell Brown.....	Gloucester, Mass.
Richard-Seymour Cooley.....	Cleveland
Chester Nicholas Dale.....	Rugby, N. D.
James Arthur Ellertson.....	Balta, N. D.

John Mitchell Gavin (As of the Class of 1917)	Shawnee
Joseph Edward Grey	Gordon Town, Jamaica
Ross James Hinkle	Frontier, Mich.
Fred William Hock	Columbus
John Jackman	Carrollton
Hyman Waks Josephson	Columbus
Fred Louis Junod	Athens
Max Kaplan	New York City
Wilber Ross Kidwell	Columbus
Otto Kinneberg	Staples, Minn.
Joe H. McCune	Cando, N. D.
John B. McQuown	Kenton
Lester Cook Neer	Urbana
George Glenn Neilson, B. A. (Monmouth College)	Monmouth, Ill.
Carlton Latimer Phillips, Jr.	Hampton, Va.
Henry Leslie Rae	Minnewaukon, N. D.
Elmer Leon Roshon	Reynoldsburg
Marion Leroy Scott	Richwood
Cecil Francis Shook	Urbana
John Gamaliel Slade	Portsmouth
Ray Sims Smiley	Hilliards
Fred Speer	Wilmington
John Eino Thompson	Ely, Minn.
David Michael Williams	Pittsburgh, Pa.
Alton Neri Wilson	Lake Park, Minn.

(Thirty-three candidates)

## PROFESSIONAL CERTIFICATES

## CERTIFICATE OF PHARMACEUTICAL CHEMIST

Elmer Patton Bostwick	Pataskala
Clyde Rollin James	Lewisberg
Wallace Bryon McLaughlin	Wellsville
Ralph Andrew Nobis	Paulding
S. Johannes Schwarzwald	Columbus
Arthur Marcus Streit (As of the Class of 1916)	Newark

(Six candidates)



## REGISTRAR'S REPORT

## APPENDIX VIII

ACADEMIC YEAR, 1918-1919

*To the President of the University:*

Permit me to make the following report for the academic year 1918-1919

In August the School of Military Aeronautics was ordered by the war department to be discontinued. This was done at the request of the board of Trustees in order to make room for the Student Army Training Corps which was established at the University at the opening of the college year in September.

At the time of the opening of the University no definite information was available on the curricula for the S. A. T. C. Instructions were received from the Committee on Education and Special Training, that students would be permitted to carry regular academic subject with a limited amount of instruction in Military subjects, including Military Drill.

On the basis of these instructions all students were assigned regular academic programs in the various colleges.

It soon developed, however, that a very different program, largely Military, was being planned by the Committee on Education and Special Training, and late in September the first copies of this program were received by the University. It was therefore necessary to re-assign all students who had been inducted into the S. A. T. C.

When it developed that the S. A. T. C. was to be a Military School under the control of the War Department, it was decided to make it a separate school of the University and administer its affairs separately. This enabled the classes to be organized and adjustments made in accordance with instructions received from the Committee on Education and Special Training without interfering seriously with the regular academic work of other students in the University who were not members of the S. A. T. C.

All students in the S. A. T. C. who were permitted to carry academic work were assigned to classes and sections reserved especially for S. A. T. C. students. These sections, under orders from the Regional Director, were limited to thirty, and this assignment was faithfully adhered to except in the cases of War Issues and Military Law where special written permission was granted to increase the size of the sections to forty. In the case of students, members of the Junior and Senior classes, who were inducted into the S. A. T. C. and who were under twenty years of age,—such students were assigned to the regular scheduled classes—but the number of S. A. T. C.

men so assigned was very small.

The following courses were given as outlined, the assignment depending upon the student's age and his individual choice:

### CURRICULA FOR MEN 20 YEARS OF AGE

#### PROGRAM A

##### GROUP I. Infantry, Field Artillery, Heavy (Coast) Artillery.

*Single term of 12 weeks.*

	Hours per week (including laboratory work and Supervised study.)
Military Instruction.....	11 hours
War Issues (or its equivalent).....	9 hours
Military Law and Practice.....	9 hours
Sanitation and Hygiene.....	9 hours
Surveying and Map-Making.....	12 hours
Unassigned.....	3 hours
Total.....	53 hours

#### PROGRAM B.

##### GROUP II. Air Service.

*Single term of 12 weeks.*

	Hours per week (including laboratory work and supervised study.)
Military Instruction.....	11 hours
War Issues (or equivalent).....	9 hours
Military Law and Practice.....	9 hours
Map reading and Navigation.....	12 hours
Elementary Physics.....	12 hours
Total.....	53 hours

#### PROGRAM C.

##### GROUP III. Ordnance Corps and Quartermaster Corps.

*Single term of 12 weeks.*

	Hours per week (including laboratory work and supervised study.)
Military Instruction.....	11 hours
War Issues (or equivalent).....	9 hours
Military Law and Practice.....	9 hours

##### *For Quartermaster Corps*

The major portion of the remaining time should be devoted to Economics, Accounting, Business Management Statistics, Transportation and Commerce; the balance to allied subjects. 24 hours

##### *For Ordnance Corps*

Physics.....	12 hours
Modern Ordnance.....	3 hours
Business Management.....	6 hours
Unassigned.....	3 hours

(Program C is appropriate for limited service men as well as for full service men. Full service men who require a greater amount of scientific preparation for the Ordnance Corps should secure it in an engineering school.)



## PROGRAM D.

## GROUP IV. Engineer Corps, Signal Corps, Chemical Warfare Service.

*Single term of 12 weeks.**Engineer Corps.* An approved program in any branch of engineering studies.*Signal Corps.* An approved program of studies in electrical engineering.*Chemical Warfare Service.* An approved program of chemical engineering or chemical technology.

## PROGRAM E.

## GROUP V. Transport Service and Tank Service.

*Single term of 12 weeks.*Hours per week (including laboratory  
work and supervised study.)

Military Instruction.....	11 hours
War Issues (or equivalent).....	9 hours
Military Law and Practice .....	9 hours
Subject chosen from the list of allied subjects.....	24 hours
Total .....	53 hours

## CURRICULA FOR MEN 19 AND 18 YEARS OF AGE

The program for 19 and 18 year old men includes some of these same studies, and leaves about eight hours to studies already assigned to the 19 year old men and eleven hours to the 18 year old men. There are special curricula for men in the engineering corps, signal service, and chemical warfare service, as well as for medicine, dentistry, veterinary medicine and pharmacy.

When the Student Army Corps was demobilized in December, since the school had been administered as a separate organization, apart from the regular work of the University, the transfer of students to a regular academic basis was greatly simplified. For the benefit of these students the courses in War Issues, and Surveying and Map Making were continued until the end of the semester, regular University credit being allowed to all men who finished the work satisfactorily. However, many of the members of the S. A. T. C., especially men who were twenty years of age, who had been assigned purely Military programs, finding it impossible to enter regular University courses before the opening of the second semester withdrew at the time of demobilization. Many of these men returned to the University at the beginning of the second semester. To accommodate such students as well as men discharged from the army it was decided to repeat during the second semester all elementary courses that were regularly announced for the first semester, following these in the Summer Session with such second semester courses as seem to be most in demand. This enabled men to return to the University, and practically complete a year's work by the end of the Summer Session.

A detailed table is appended showing the enrollment in the S. A. T.

C., by colleges, ages, and branches of the service, with the number of men who left the University at the time of demobilization, the number who were sent the various camps, and the number of men who died.

The following tables showing the enrollment in the University for the academic year are appended:

- I. The Enrollment in the Various Colleges by Years and Courses
- II. The Teaching Staff
- III. The Religious Census of Students
- IV. The Census of Occupation of Parents
- V. The Enrollment by Counties of Ohio
- VI. The Enrollment by States and Foreign Countries
- VII. The Degrees Conferred for the Year Academic 1918-1919

Respectfully submitted,

EDITH H. COCKINS,  
*Registrar.*

July 28, 1919



## STUDENT ARMY TRAINING CORPS

OCTOBER—DECEMBER, 1918

COLLEGE	Age	Infantry	Field Art.	Air Service	Ordnance	Quar. Master's	Engr. Corps	Signal Corps	Chem. Warfare	Transport	Navy	Pre-Med.	Reserve	Med. Corps	Dent.	Hosp. & San.	Vet. Corps	Total
Agriculture.....	18	13	1	15	9	9	1	1	6	13	1	30						54
Arts.....	18	63	5	40		18	6	3		17								197
Commerce & Journ'l'm	18																	
Dentistry.....	18														9			9
Education.....	18	3		1						3								7
Engineering.....	18	45	2	51	3	4	66	9	20	26	4							230
Homoeopathic Med..	18													1				1
Medicine.....	18																	
Pharmacy.....	18			1	1				1							3		6
Veterinary Medicine	18																5	5
Graduate School.....	18																	
Applied Optics.....	18																	
Law.....	18																	
Total.....		124	8	108	13	31	73	13	27	59	5	30		1	9	3	5	509
Agriculture.....	19	24		15	2	3	3		1	11								59
Arts.....	19	65	4	50	12	31		3	8	14		29						216
Commerce & Journ'l'm	19	1		1		1												3
Dentistry.....	19														21			21
Education.....	19	3		2														5
Engineering.....	19	61	2	59	10	9	69	10	19	19	17							275
Homoeopathic Med..	19													2				2
Medicine.....	19																	
Pharmacy.....	19			1		1										5		7
Veterinary Medicine	19																10	10
Graduate School.....	19	1																1
Applied Optics.....	19	2											3					5
Law.....	19																	
Total.....		157	6	128	24	45	72	13	28	44	17	29	3	2	21	5	10	604

## STUDENT ARMY TRAINING CORPS

OCTOBER—DECEMBER, 1918

COLLEGE	Age	Infantry	Field Arts	Air Service	Ordnance	Quar. Masters	Engr. Corps	Signal Corps	Chem. Warfare	Transport	Navy	Pre-Med.	Reserve	Med. Corps	Dent. Corps	Hosp. & San.	Vet. Corps	20 Years Total	19 Years Total	18 Years Total	Grand Total	Left at Demobilization
Agriculture.....	20	34		23	2	5	4	2		29	2							101	59	54	214	101
Arts.....	20	90	5	40	9	32	1	2	6	18	2	20						225	216	197	638	417
Commerce & Journalism	20	5	1		1	6					8							21	3		24	7
Dentistry.....	20												25	31				56	21	9	86	6
Education.....	20	6		1				1		4								12	5	7	24	14
Engineering.....	20	67	2	47	4	5	78	5	11	16	37		49					321	275	230	826	472
Homoeopathic Medicine	20													9	5			14	2	1	17	2
Medicine.....	20													71	10			81			81	2
Pharmacy.....	20	2		1		2				1	1							11	7	6	24	15
Veterinary Medicine	20												42				17	59	10	5	74	5
Graduate School.....	20					1		1										2	1		3	3
Applied Optics.....	20												2					2	5		7	2
Law.....	20																					
Total.....	20	204	8	112	16	51	83	10	18	68	50	20	198	15	31	4	17	905				
Total.....	19	157	6	128	24	45	72	13	28	44	17	29	3	2	21	5	10		604			
Total.....	18	124	8	108	13	31	73	13	27	59	5	30		1	9	3	5			509		
Grand total.....		485	22	348	53	127	228	36	73	171	72	79	201	18	61	12	32				2018	1046

WITHDREW AT THE DEMOBILIZATION OF THE STUDENT ARMY TRAINING CORPS—December 1918

College	Age	Infantry	Field Art.	Air Service	Ord-nance	Quarter Masters	Engr. Corps	Signal Corps	Chem. Warfare	Trans-port	Navy	Pre-Med.	Re-serve	Med. Corps	Dent. Corps	Hosp. & San.	Vet. Corps	Died	Total * Withdrew		Grand Total												
		W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp	W. Camp			Camp													
Agriculture	18	5	1	4		2				6								}	93	8	101												
	19	10	2	5	1	2		1		8																							
	20	16	3	11	1	2		3	1	14																							
Arts	18	36	6	16	5	12	1	4	3	1	14	14						}	375 2 (Died)	40	417												
	19	29	7	26	1	9	1	24	2	1	10	8																					
	20	65	18	31	3	8		26	1	3	17	1	5																				
Commerce and Journalism	18																	}	3	4	7												
	19																																
	20	1	2			1	1			2																							
Dentistry	18														1			}	5	1	6												
	19													2	1																		
	20																																
Education	18			1						3								}	12 1 (Died)	1	14												
	19	2		1																													
	20	2	1							3																							
Engineering	18	23	5	36	3	2	38	4	1	11	19	1	3	1				}	423 4 (Died)	45	472												
	19	40	7	40	6	5	28	3	8	10	14		1																				
	20	42	16	43	3	3	3	22	6	4	15																						
Homoeopathic Medicine	18														1			}	1	1	2												
	19																																
	20													1																			
Medicine	18																	}	2		2												
	19																																
	20												1	1																			
Pharmacy	18			1	1													}	14 1 (Died)		15												
	19			1												2																	
	20	2		1		2				1						3																	
Veterinary Medicine	18																2	}	4 1 (Died)		5												
	19																																
	20												1		1																		
Graduate School	18																	}	3		3												
	19	1																															
	20					1		1																									
Applied Optics	18																	}	1	1	2												
	19		1																														
	20																																
Law	18																	}															
	19																																
	20																																
		274	69	217	9	39	2	80	2	96	9	20	2	35	2	124	2	6	1	27	0	3	1	2	1	5	1	5		3	9	101	1046



DETAILED STATEMENT OF ENROLLMENT—1918-1919

COLLEGE AND COURSE	Seniors			Juniors			Sophomores			Freshman			Specials			Totals		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Graduate School .....																78	65	143
Agriculture .....	46	....	46	83	....	83	104	....	104	206	4	210	12	....	12	451	4	455
Home Economics .....		41	41	....	42	42	....	58	58	....	81	81	....	1	1	....	223	223
Science Nursing .....	....	....	....	....	....	....	....	2	2	....	4	4	....	....	....	....	6	6
Three-Year Courses .....	....	....	....	17	....	17	....	....	....	21	....	21	....	....	....	38	....	38
Totals, Agriculture .....	46	41	87	100	42	142	104	60	164	227	89	316	12	1	13	489	233	722
Arts, Philosophy and Science, .....	76	95	171	137	82	219	252	138	390	797	227	1024	16	29	45	1278	571	1849
Arts-Education .....	....	22	22	6	12	18	....	16	17	....	7	7	....	1	1	7	....	65
Commerce and Journalism .....	14	6	20	64	15	79	....	....	....	....	....	....	14	5	19	92	26	118
Dentistry .....	19	....	19	19	1	20	24	....	24	53	....	53	....	....	....	115	1	116
Education .....	8	73	81	7	75	82	10	79	89	25	101	126	5	78	83	55	406	461
Engineering .....	....	....	....	....	....	....	....	....	....	....	....	....	4	....	4	4	....	4
Architecture .....	1	1	2	7	2	9	9	2	11	16	....	16	....	....	....	33	5	38
Architectural Engineering .....	2	....	2	6	....	6	10	....	10	15	....	15	....	....	....	32	....	33
Ceramic Engineering .....	8	....	8	9	....	9	18	....	18	12	....	12	....	....	....	47	....	47
Chemical Engineering .....	13	....	13	33	....	33	59	1	60	135	....	135	....	....	....	240	1	241
Civil Engineering .....	17	....	17	23	....	23	57	....	57	164	....	164	....	....	....	261	....	261
Electrical Engineering .....	26	....	26	31	....	31	62	....	62	178	....	178	....	....	....	297	....	297
General Engineering .....	2	....	2	4	....	4	8	....	8	8	....	8	....	....	....	22	....	22
Mechanical Engineering .....	14	....	14	39	....	39	52	....	52	207	....	207	....	....	....	312	....	312
Mine Engineering .....	2	....	2	5	....	5	8	....	8	22	....	22	....	....	....	37	....	37
Totals, Engineering .....	85	1	86	157	2	159	283	3	286	757	...	757	4	..	4	1286	6	1292
Homoeopathic Medicine .....	8	1	9	3	....	3	8	....	8	16	1	17	....	....	....	35	2	37
Law .....	....	....	....	6	....	6	13	....	13	15	....	15	....	....	....	34	....	34
Medicine .....	17	....	17	25	1	26	32	2	34	36	....	26	....	....	....	110	3	113
Pharmacy .....	3	1	4	4	2	6	11	3	14	23	3	26	1	1	2	42	10	52
Short Course .....	....	....	....	....	....	....	13	1	14	10	4	14	....	....	....	23	5	28
Totals, Pharmacy .....	3	1	4	4	2	6	24	4	28	33	7	40	1	1	2	65	15	80
Veterinary Medicine .....	34	....	34	21	....	21	19	....	19	45	....	45	5	....	5	124	....	124
Applied Optics .....	....	....	....	4	1	5	2	....	2	3	1	4	....	....	....	9	2	11
Total for academic year .....	310	240	550	553	233	786	772	302	1074	2007	433	2440	57	115	172	3777	1388	5165

	Men	Women	Total
Total for academic year—1918-1919 .....	3777	1388	5165
Summer Session—1918			
Graduate School .....	54	59	113
College of Agriculture .....	25	30	55
College of Arts, Philosophy and Science .....	112	156	268
Arts—Education .....	3	13	16
College of Commerce and Journalism .....	4	6	10
College of Denistry .....	12	...	12
College of Education .....	51	217	268
College of Engineering .....	93	1	94
College of Homoeopathic Medicine .....	9	...	9
College of Medicine .....	11	3	14
College of Pharmacy .....	7	...	7
College of Veterinary Medicine .....	43	...	43
Total, Summer Session .....	424	485	909
Lake Laboratory—1918 .....	2	...	2
Winter Course in Agriculture—1919 .....	121	...	121
Totals .....	4324	1873	6197
Names counted twice .....	198	174	372
Grand net totals for the year .....	4126	1699	5825

## THE TEACHING STAFF—1918-1919

	Men	Women	Total
Professors .....	144	2	146
Associate Professors .....	6	...	6
Assistant Professors .....	84	7	91
Instructors .....	133	31	164
Assistants .....	42	19	61
Graduate Assistants .....	3	3	6
Totals .....	412	62	474
Agricultural Extension .....	65	19	84
Administrative Officers .....	9	4	13
Lecturers .....	3	...	3
Library Staff .....	6	20	26
Totals .....	83	43	126
Grand totals .....	495	105	600

Absent on leave—79



## RELIGIOUS CENSUS OF STUDENTS

1918-1919

Adventist .....	7	Independent .....	1
All Souls Church .....	1	Jewish .....	236
Baptist .....	208	Latter Day Saints .....	1
Catholic .....	350	London Church .....	1
Christian .....	158	Lutheran .....	321
Christian Science .....	37	Mennonite .....	2
Christian Union .....	3	Methodist .....	1636
Christian and Missionary Alliance .....	1	Moravian .....	3
Church of Christ .....	62	Nazarene .....	1
Church of God .....	3	New Thought .....	1
Church of New Jerusalem .....	3	Presbyterian .....	789
Community .....	2	Protestants .....	54
Congregational .....	241	Reformed .....	92
Disciple .....	35	Spiritualist .....	1
Episcopal .....	178	Swedenborgian .....	4
Evangelical .....	65	Unitarian .....	16
Friends .....	28	United Brethern .....	140
Georgian .....	1	United Presbyterian .....	27
Greek Orthodox .....	2	Universalists .....	19
Gregorian .....	3	Zion .....	2
Hindu .....	2	None Given .....	265

## CENSUS OF OCCUPATION OF PARENTS

1918-1919

Accountants, bookkeepers, clerks, etc. ....	146	Druggists and pharmacists .....	41
Actor .....	1	Editors and newspaper men .....	23
Anti-Saloon League and Y. M. C. A. ....	12	Electricians .....	15
Architects and draftsmen .....	14	Engineers .....	105
Army .....	13	Farmers .....	1041
Artisans .....	100	Fish dealers and grocers .....	107
Attorneys and judges .....	102	Florists and gardeners .....	28
Auctioneer .....	1	Foremen .....	59
Bakers and Confectioners .....	21	Government and city officials .....	129
Bankers .....	66	Grain and lumber dealers .....	54
Barbers .....	21	Harness maker .....	1
Blacksmiths .....	17	Hotel and restaurant proprietors .....	11
Business men .....	28	Insurance men .....	52
Butchers and meat dealers .....	21	Inventor .....	1
Carpenters .....	65	Iron workers and moulders .....	15
Cartoonists .....	2	Janitors .....	5
Chauffers and teamsters .....	7	Jewellers .....	15
Chemists .....	3	Laborers .....	23
Coal dealers and oil producers .....	53	Laundrymen .....	9
Contractors .....	108	Liquor dealers .....	17
Dairymen and stock dealers .....	36	Liverymen and teamsters .....	12
Decorators and painters .....	18	Machinists .....	69
Dentists .....	29	Manufacturers .....	97
Detectives and policemen .....	16	Mechanics .....	25

Merchants.....	361	Retired .....	79
Millers.....	8	Safe expert .....	1
Milliners and dressmakers.....	7	Salesman .....	199
Miners .....	14	Secretaries and treasurers .....	35
Ministers .....	84	Superintendents and managers.....	148
Musicians.....	8	Superintendents and principals,	
Opticians.....	7	school .....	13
Photographers.....	5	Tailors.....	35
Physicians.....	144	Tanners .....	3
Plumbers.....	15	Theatrical business .....	6
Printers .....	26	Teachers and professors .....	80
Railroad and street car officials		Undertaking.....	16
and employees.....	137	Veterinary.....	8
Real Estate.....	76	None given and mothers.....	924

## ENROLLMENT BY COUNTIES OF OHIO

1918-1919

Adams .....	3	Hamilton .....	30	Noble .....	9
Allen.....	46	Hancock. ....	33	Ottawa .....	17
Ashland ..	14	Hardin .....	34	Paulding .....	14
Ashtabula .....	49	Harrison .....	14	Perry .....	31
Athens .....	23	Henry.....	11	Pickaway.....	62
Auglaize .....	43	Highland.....	16	Pike .....	14
Belmont.....	53	Hocking .....	21	Portage .....	12
Brown.....	7	Holmes.....	11	Preble.....	11
Butler.....	54	Huron .....	30	Putnam.....	14
Carroll .....	4	Jackson .....	41	Richland .....	42
Champaign .....	38	Jefferson .....	21	Ross .....	56
Clark.....	45	Knox.....	45	Sandusky .....	22
Clermont .....	13	Lake .....	18	Scioto. ....	44
Clinton.....	52	Lawrence .....	21	Seneca .....	23
Columbiana.....	37	Licking.....	69	Shelby.....	11
Coshocton .....	30	Logan .....	37	Stark .....	67
Crawford .....	30	Lorain .....	45	Summit .....	32
Cuyahoga.....	260	Lucas.....	65	Trumbull .....	37
Darke .....	60	Madison.....	64	Tuscarawas.....	43
Defiance.....	12	Mahoning ..	59	Union .....	52
Delaware .....	38	Marion .....	28	Van Wert .....	26
Erie .....	35	Medina .....	36	Vinton.....	3
Fairfield .....	74	Meigs.....	23	Warren.....	13
Fayette.....	19	Mercer .....	30	Washington .....	27
Franklin ..	1571	Miami .....	66	Wayne.....	30
Fulton.....	23	Monroe.....	15	Williams.....	43
Gallia.....	13	Montgomery.....	175	Wood .....	39
Geauga .....	17	Morgan .....	14	Wyandot .....	21
Greene .....	22	Morrow.....	32		
Guernsey.....	36	Muskingum.....	43		

## ENROLLMENT BY STATES AND FOREIGN COUNTRIES

1918-1919

Alabama .....	1	British West Indies.....	1
Argentine Republic.....	2	Bulgaria.....	1
Brazil .....	2	California .....	4



Canada .....	1	Mississippi .....	1
Canal Zone .....	1	Missouri .....	3
China .....	30	New Hampshire .....	2
Colorado .....	1	New Jersey .....	3
Columbia, S. A. ....	1	New York .....	22
Connecticut .....	8	North Carolina .....	3
Cuba .....	3	North Dakota .....	7
District of Columbia .....	5	Ohio .....	4678
Georgia .....	3	Oklahoma .....	4
Greece .....	1	Pennsylvania .....	57
Hawaii .....	1	Persia .....	3
Idaho .....	2	Philippine Islands .....	4
Illinois .....	14	Porto Rico .....	4
India .....	3	Russia .....	3
Indiana .....	52	Scotland .....	1
Iowa .....	2	South Africa .....	1
Japan .....	1	South Carolina .....	5
Kansas .....	3	Switzerland .....	1
Kentucky .....	13	Tennessee .....	4
Korea .....	5	Texas .....	3
Louisiana .....	2	Turkey .....	5
Maryland .....	2	Virginia .....	9
Massachusetts .....	14	Washington .....	1
Michigan .....	11	West Virginia .....	48
Minnesota .....	4	Wisconsin .....	6

## DEGREES CONFERRED FOR THE ACADEMIC YAER

1918-1919

Graduate School .....	41	
Degrees conferred during year .....	12	
		53
College of Agriculture .....	71	
Degrees conferred during year .....	7	
		78
College of Arts, Philosophy, and Science .....	134	
Degrees conferred during the year .....	14	
		148
College of Commerce and Journalism .....		17
College of Dentistry .....	15	
Degrees conferred during year .....	8	
		23
College of Education .....	75	
Degrees conferred during year .....	19	
		94
College of Engineering .....	56	
Degrees conferred during year .....	6	
		62

College of Homeopathic Medicine.....	9
College of Medicine.....	15
Degree conferred during year.....	1
	<hr/>
	16
College of Pharmacy (6 certificates) (3 degrees) .....	9
College of Veterinary Medicine .....	33
	<hr/>
	542
<hr/>	
Total degrees conferred on women candidates.....	214
Degrees conferred on women during year.....	19
	<hr/>
	233
Total degrees conferred on men candidates.....	261
Degrees conferred on men during year.....	48
	<hr/>
	309
	<hr/>
Grand Total.....	542

## ENROLLMENT

## GENERAL SUMMARY

1918-1919

Graduate School .....	143
College of Agriculture—	
Undergraduates, Agriculture, degree course.....	455
Undergraduates, Home Economics, degree course ...	229
Undergraduates, Three-Year, certificate courses.....	38
	<hr/>
	722
College of Arts, Philosophy and Science .....	1914
College of Commerce and Journalism.....	118
College of Dentistry.....	116
College of Education .....	526
College of Engineering .....	1292
College of Homoeopathic Medicine.....	37
College of Law .....	34
College of Medicine.....	113
College of Pharmacy—	
Undergraduates, degree course .....	52
Undergraduates, two-year certificate course.....	28
	<hr/>
	80
College of Veterinary Medicine.....	124
Applied Optics.....	11
	<hr/>
Total .....	5230
Names counted twice.....	65
	<hr/>
Net total for academic year.....	5165

## Summer Session—1918

Graduate School.....	113
College of Agriculture.....	55



College of Arts, Philosophy and Science.....	268
Arts-Education.....	16
College of Commerce and Journalism.....	10
College of Dentistry.....	12
College of Education.....	268
College of Engineering.....	94
College of Homoeopathic Medicine .....	9
College of Medicine.....	14
College of Pharmacy.....	7
College of Veterinary Medicine.....	43
<hr/>	
Total.....	909
Lake Laboratory—1918 .....	2
Winter Course in Agriculture.....	121
<hr/>	
Total....	6197
Names counted twice.....	372
<hr/>	
Grand net total for the year.....	5825

## SCHOOL OF MILITARY AERONAUTICS

### APPENDIX VIII

#### REGISTRAR'S REPORT

##### *To the President of the University:*

Inasmuch as the School of Military Aeronautics, established at the University by the War Department, used the University buildings for class room and laboratory work as well as for barracks, the following report is in order:

The School of Military Aeronautics was established by the War Department in May 1917, and remained in operation until August 1918. It was one of six such schools established for the training of Pilots. In January 1918 a school for the training of Adjutants for the Flying Units was assigned to the University, and in March a similar course for Balloon Officers was added. These two schools for Adjutants and Balloon Officers were the only schools for the training of such officers in the United States.

The Registrar as Chairman of the University Schedule Committee, at the request of the Academic Board and of the Commanding Officer, made all schedules of class-hours for the various squadrons, and assigned all class-rooms and laboratories for the three schools.

The Curricula for the three Military Schools was furnished by the War Department at Washington. The Curriculum of the School for Pilots was twelve weeks in length, and was identical with that given in the other six Pilot Schools established by the War Department. The Curriculum for the Adjutants covered eight weeks, and the Curriculum for Balloon Officers was seven weeks in length. Each week of instruction in each Curriculum formed a separate unit, as a semester in an academic curriculum. The men were promoted at the end of the week to the next higher squadron, if their work merited such recognition. A squadron was graduated each week, and a new squadron was received each week.

While the three Schools were in operation there were twenty-seven different squadrons receiving instruction at the same time, or the equivalent of twenty-seven different curricula, each with varying subjects in varying amounts.

By order of the President of the University the Military Schools were given the right of way in the University plant in class-rooms and laboratories, and many regular University classes were moved from their accustomed quarters to make room for the Military classes.



During the winter of 1918 the demand on the University plant for class-rooms for these Military Schools reached 300 hours per week. The assignments were made week by week on account of the varying size of the squadrons, some of the squadrons having two flights or sections and some of them three flights—the size of the squadron depending upon the number of men who were ordered to the University by the War Department each week.

The instructors in the School for Pilots were assigned largely from the University Teaching Staff. The instructors in the Schools for Adjutants and Balloon Officers were mostly army officers detailed by the War Department, with the possible exception of the instructors in Military Law, who were members of the Law Faculty.

The whole number of men trained in the Schools of Military Aeronautics was as follows:

Pilots.....	1291
Adjutants.....	887
Balloon Officers.....	219
Total .....	<hr/> 2397

The Curricula in the three Schools are appended:

Respectfully submitted,

EDITH H. COCKINS,  
*Registrar.*

# SCHOOL OF AERONAUTICS—CURRICULUM AS IN EFFECT

MARCH 1, 1918

Departments	Squadron A		Squadron B		Squadron C		Squadron D	
	Subject	Hours	Subject	Hours	Subject	Hours	Subject	Hours
Military Subjects 190 hours	Drill .....	22½	Drill .....	17½	Drill .....	10	Drill .....	10
	Military Lects. . .	6	Military Lects. . .	4	Military Lects. . .	4	Military Lects. . .	4
	Inspection .....	1	Inspection .....	1	Inspection .....	1	Inspection .....	1
Signalling 43 hours	Signalling .....	5	Signalling .....	4	Signalling .....	3	Signalling .....	3
Gunnery 52 hours					Gunnery .....	4	Gunnery .....	5
Airplanes 55 hours	Rigging .....	2	Theory of Flight .....	2	Theory of Flight .....	2	Theory of Flight .....	1
			Rigging .....	4	Meteorology .....	1	Meteorology .....	1
Engines 59 hours			Engines, Lect. . .	2	Engines, Lect. . .	2	Engines, Lect. . .	2
			Engines, Lab. . .	2	Engines, Lab. . .	4	Engines, Lab. . .	6
Aerial Tactics 39 hours								
Supervised Recreation and Sports 60 hours		5		5		5		5
Total 498 hours		41½		41½		42		42

## SCHOOL OF MILITARY AERONAUTICS CURRICULUM—CONTINUED

Departments	Squadron E		Squadron F		Squadron G		Squadron H	
	Subject	Hours	Subject	Hours	Subject	Hours	Subject	Hours
Military Subjects 190 hours	Drill .....	10	Drill .....	10	Drill .....	10	Drill .....	10
	Military Lects. . .	4	Military Lects. . .	4	Military Lects. . .	4	Military Lects. . .	4
	Inspection .....	1	Inspection .....	1	Inspection .....	1	Inspection .....	1
Signalling 43 hours	Signalling .....	3	Signalling .....	3	Signalling .....	3	Signalling .....	3
Gunnery 52 hours	Gunnery .....	5	Gunnery .....	6	Gunnery .....	4	Gunnery .....	5
Airplanes 55 hours	Theory of Flight .....	1	Rigging .....	2	Rigging .....	2	Repair of Machines . . .	4
	Meteorology .....	1	Instruments .....	2	Repair of Mach. . .	2		
	Rigging .....	6			Types of Mach. . .	2		
Engines 59 hours	Engines, Lect. . .	1	Types of Eng. . .	1	Engines, Lects. . .	2	Engines, Lab. . .	6
	Engines, Lab. . .	4	Engines, Lab. . .	6	Engines, Lab. . .	4		
Aerial Tactics 39 hours	Types of Eng. . .	1					Map Reading . . .	4
Supervised Recreation and Sports 60 hours		5		5		5		5
Total 498 hours		42		42		41		42

## SCHOOL OF MILITARY AERONAUTICS CURRICULUM—CONCLUDED

Departments	Squadron I		Squadron K		Squadron L		Squadron M	
	Subject	Hours	Subject	Hours	Subject	Hours	Subject	Hours
Military Subjects 190 hours	Drill .....	10	Drill .....	10	Drill .....	7½	Drill .....	7½
	Military Lects. . .	4	Military Lects. . .	3	Inspection .....	1	Inspection .....	1
	Inspection .....	1	Exam .....	2				
Signalling 43 hours	Signalling .....	3	Signalling .....	3	Signalling .....	3	Signalling .....	3
Gunnery 52 hours	Gunnery .....	5	Gunnery .....	6	Gunnery .....	5	Exam .....	2
Airplanes 55 hours	Repair of Machines . . .	2	Repair of Machines . . .	2	Repair of Machines . . .	2	Engines, Lab. . .	4
					Exam .....	2		
Engines 59 hours	Engines, Lab. . .	4			Engines Lab. . .	6	Exam .....	2
Aerial Tactics 39 hours	Map Reading . . .	4	Co-op. Artillery.2		Map Reading . . .	4	Map Reading . . .	2
	Co-op. Artillery 3		Min. Range . . .	6	Min. Range . . .	6	Min. Range . . .	4
Supervised Recreation and Sports 60 hours		5		5		5	Exam .....	2
Total 498 hours		41		42		41½		39½



# ADJUTANTS SCHOOL—CURRICULUM

JANUARY 21, 1918

DEPARTMENTS	Squadron A		Squadron B		Squadron C		Squadron D		Squadron E		Squadron F		Squadron G		Squadron H	
	Subject	Hrs.	Subject	Hrs.	Subject	Hrs.	Subject	Hrs.	Subject	Hrs.	Subject	Hrs.	Subject	Hrs.	Subject	Hrs.
Drill 109 hours	Drill.....	25	Drill.....	22	Drill.....	18	Drill.....	16	Drill.....	7	Drill.....	7	Drill.....	7	Drill.....	8
Army Regulations 48 hours	Army Reg. ....	5	Army Reg. ....	5	Army Reg. .... Exam. ....	4 1	Army Reg. ....	5	Army Reg. ....	5	Army Reg. .... Army Serv. ....	5 1	Army Reg. .... Army Serv. ....	5 5	Army Reg. .... Exam. ....	5 2
Army Paper 42 hours	Army Paper....	5	Army Paper....	5	Army Paper....	5	Army Paper....	5	Army Paper....	5	Army Paper.... Exam. ....	4 2	War Correspondence Files...	5	War Corres. .... Exam. ....	5 1
Officers' Duties 40 hours			Customs of Service.....	2	Disb. Officer.... Customs of Service.....	5 2	Supply Officer.. Disb. Officer.... Exam. ....	2 2 1	Post Commander Squadron Commander..... Adjutant	5 5	Post Commander..	5	Post Commander.. Office Admr. ....	5 4	Post Commander.. Exam. .... Office Admr. .... Exam. ....	4 2 1 1
Interior Guard Duty and Law 37 hours	Int. Guard Duty.....	4	Int. Guard Duty.....	5	Int. Guard Duty Exam....	1	Law.....	5	Court Martial.....	10	Law..... Law Exam. ....	2 2	Hygiene.....	4	Hygiene..... Hygiene Exam. ....	3 1
Technical Studies 38 hours					Theory of Flight .... Inst. & Comp. ....	1 2	Airplanes.....	3	Airplane parts ..... Types of parts ..... Care of parts. .... Gunnery..... Gunnery Mach. .... Map Reading .....	2 1 1 2 1 2	Gunnery Mach. 1 Stripping and Assembling. .... Exam. .... Engine Theory. .... Engine Lab. .... Map Read. .... Map Read. Exam. ....	1 2 1 4 2 1 1	Engine Lab. ....	4	Engr. Off. .... Motor Trans. .... Exam. ....	2 4 1
Total 314 hours		39		39		39		39		41		40		39		39

## BALLOON OFFICERS SCHOOL—CURRICULUM

MARCH 13, 1918

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